МАТЕМАТИКА

1.   1.1-1 file-» 5 - 3 - - 1   (704000)
$37 \cdot 24 - 34 \cdot 24 + 19 \cdot 11 - 16 \cdot 11$ ning qiymatini toping.

  A) 105   B) 90   C) 110   D) 100

2.   1.1-1 file-» 22 - 2 - - 1   (704001)
Bir nechta natural sonning yig'indisi 85 ga teng. Agar shu sonlarning har biridan 2 ni ayirib, yig'indi hisoblansa, u 61 ga teng bo'ladi. Yig'indida nechta son qatnashgan?

  A) 5   B) 7   **C)** 12   D) 8

3.   1.1-1 file-» 22 - 11 - - 1   (704002)
$18 \cdot 16 - 15 \cdot 16 + 36 \cdot 24 - 33 \cdot 24 + 17 \cdot 11 - 14 \cdot 11$ ni hisoblang.

  A) 166   B) 155   C) 180   **D)** 153

4.   1.1-1 file-» 22 - 12 - - 1   (704003)
$17 \cdot 11 - 14 \cdot 11 + 27 \cdot 23 - 24 \cdot 23 + 21 \cdot 19 - 18 \cdot 19$ ni hisoblang.

  A) 165   **B)** 159   C) 143   D) 203

5.   1.1-1 file-» 23 - 2 - - 1   (704004)
279 ni 16 ga bo'lganda qoldiq 7 bo'ladi. Bo'linma nechaga teng?

  A) 13   B) 12   **C)** 17   D) 11

6.   1.1-1 file-» 23 - 2 - - 1   (704005)
Natural sonlar uchun quyida keltirilgan mulohazalardan qaysi biri noto'g'ri?

  A) *Berilgan sonlar bo'linadigan sonlarning eng kattasi ularning eng katta umumiy bo'luvchisi bo'ladi.*

  B) *Agar ikki qo'shiluvchidan biri 11 ga bo'linib, ikkinchisi 11 ga bo'linmasa, ularning yig'indisi 11 ga bo'linmaydi.*

  C) 3 ga bo'lingan son 6 ga ham bo'linadi.

  D) *3 va 5 ga bo'linadigan son 15 ga bo'linadi.*

7.   1.1-1 file-» 23 - 3 - - 1   (704006)
392 ni qanday songa bo'lganda bo'linma 17 va qoldiq 1 bo'ladi?

  A) 19   B) 21   C) 22   **D)** 23

8.   1.1-1 file-» 23 - 3 - - 1   (704007)
1 soat 160 minut 5 sekund necha sekunddan iborat?

  A) 106005   B) 12205   C) 14205
  D) 13205

9.   1.1-1 file-» 23 - 3 - - 1   (704008)
Quyidagi mulohazalarning qaysi biri natural sonlarga nisbatan noto'g'ri?

  A) *Berilgan sonlarga bo'linadigan sonlarning eng kichigi bu sonlarning eng kichik karralisi bo'ladi.*

  B) *3 hamda 4 ga bo'lingan son 12 ga ham bo'linadi.*

  C) Oxirgi raqami 6 yoki 9 bo'lgan son 3 ga bo'linadi.

  D) *Oxirgi raqami 0 yoki 5 bo'lgan son 5 ga bo'linadi.*

10.   1.1-1 file-» 23 - 4 - - 1   (704009)
Natural sonni 18 ga bo'lganda, bo'linma 19 ga, qoldiq 8 ga teng bo'ldi. Bo'linuvchini toping.

  A) 263   B) 243   **C)** 350   D) 273

11.   1.1-1 file-» 23 - 4 - - 1   (704010)
$4 \; m^2 \; 3 \; dm^2 \; 4 \; sm^2$ necha kvadrat santimetr bo'ladi?

  A) 40304   B) 40244   C) 41034   D) 43004

12.   1.1-1 file-» 28 - 2 - - 1   (704011)
$n(n \in N)$ning $\dfrac{8 + 5n^4 + 4n^2}{n^2}$ kasr butun son bo'ladigan barcha qiymatlarini toping.

  A) 1   **B)** 1; 2   C) 2   D) 1; 2; 4

13.   1.1-1 file-» 22 - 1 - - 1   (704012)
$18 \cdot 13 - 15 \cdot 13 + 21 \cdot 17 - 18 \cdot 17 + 17 \cdot 15 - 15 \cdot 14$ ni hisoblang.

  A) 125   **B)** 135   C) 205   D) 180

14.   1.1-1 file-» 23 - 5 - - 1   (704013)
Agar kamayuvchini 26 ta va ayriluvchini 12 ta orttirilsa, ayirma qanday o'zgaradi?

  A) 4 *ta kamayadi*   **B)** 14 *ta ortadi*
  C) 28 *ta kamayadi*   D) 4 *ta ortadi*

15.   1.1-1 file-» 23 - 6 - - 1   (704014)
Agar kamayuvchini 30 ta va ayriluvchini 12 ta kamaytirilsa, ayirma qanday o'zgaradi?

  A) 18 *ta kamayadi*   B) 24 *ta ortadi*
  C) 12 *ta ortadi*   D) 12 *ta kamayadi*

16.   1.1-1 file-» 5 - 3 - - 2   (719000)
18 va 16 sonlarning eng kichik umumiy karralisini toping.

  A) 36   B) 72   C) 54   **D)** 144

17.   1.1-1 file-» 5 - 4 - - 2   (719001)
45 va 12 sonlarning eng kichik umumiy karralisini toping.

  A) 180   B) 120   C) 24   D) 90

18.   1.1-1 file-» 5 - 5 - - 2   (719002)
90 va 300 sonlarining eng kichik umumiy karralisini toping.

A) 80   B) 10   C) 18   **D) 900**

19.   1.1-1 file-» 22 - 2 - - 2   (719003)
$26 \cdot 25 - 25 \cdot 24 + 24 \cdot 23 - 23 \cdot 22 - 12 \cdot 9$ ning qiymatini toping.

A) 0   B) 1   **C) -12**   D) 8

20.   1.1-1 file-» 22 - 3 - - 2   (719004)
$21 \cdot 13 + 24 \cdot 13 + 45 \cdot 12 + 25 \cdot 44 - 89 \cdot 23$ ning qiymatini toping.

A) 178   B) 1   C) 89   D) 0

21.   1.1-1 file-» 22 - 3 - - 2   (719005)
Bir nechta natural sonlarning yig'indisi 60 ga teng. Agar shu sonlarning har biriga 2 ni qo'shib yig'indi hisoblansa, u 86 ga teng bo'ladi. Yig'indida nechta son qatnashgan?

A) 13   B) 8   C) 9   D) 16

22.   1.1-1 file-» 22 - 4 - - 2   (719006)
$18 \cdot 36 - 16 \cdot 36 + 24 \cdot 27 - 25 \cdot 24 - 21 \cdot 4$ ning qiymatini toping.

A) 45   **B) 36**   C) 0   D) 15

23.   1.1-1 file-» 22 - 4 - - 2   (719007)
Bir nechta natural sonlarning yig'indisi 77 ga teng. Agar shu sonlarning har biridan 4 ni ayirib yig'indi hisoblansa, y 29 ga teng bo'ladi. Yig'indida nechta natural son qatnashgan?

A) 4   B) 6   C) 8   **D) 12**

24.   1.1-1 file-» 5 - 10 - - 2   (719008)
To'g'ri to'rtburchakning eni 5 ga teng, bo'yi undan 8 ga ortiq. To'g'ri to'rtburchakning perimetrini hisoblang.

A) 32   B) 34   C) 24   **D) 36**

25.   1.1-1 file-» 5 - 7 - - 2   (719009)
To'g'ri to'rtburchakning eni 7 sm, bo'yi undan 4 sm ortiq. To'g'ri to'rtburchakning perimetrini hisoblang.

A) 36   B) 20   C) 34   D) 30

26.   1.1-1 file-» 23 - 2 - - 2   (719010)
$9m^2 \ 1dm^2 \ 5sm^2$ necha sm^2 ga teng?

A) 90105   B) 9105   C) 90015   D) 91015

27.   1.1-1 file-» 51 - 2 - -   (719011)
$\dfrac{\left(3^2\right)^8 \cdot 5^{16}}{15^{14}}$ ni hisoblang.

A) 105   **B) 225**   C) 75   D) 240

28.   1.1-1 file-» 58 - 1 - -   (719012)
245, 350, 475, 525 va 625 sonlar berilgan. Shu sonlardan 15 ga qoldiqsiz bo'linadiganlarining yig'indisini toping.

A) 875   **B) 525**   C) 1000   D) 870

29.   1.1-3 file-» 6 - 4 - -   (14056)
1 дан 120 гача бўлган сонлар орасида 2 га ҳам, 5 га ҳам бўлинмайдиганлари нечта?

A) 36   B) 40   C) 44   **D) 48**

30.   1.1-3 file-» 6 - 5 - -   (14108)
1 дан 120 гача бўлган сонлар орасида 3 га ҳам, 5 га ҳам бўлинмайдиганлари нечта?

A) 56   **B) 64**   C) 60   D) 61

31.   1.1-3 file-» 6 - 6 - -   (14160)
1 дан 126 гача бўлган сонлар орасида 2 га ҳам, 7 га ҳам бўлинмайдиганлари нечта?

A) 54   B) 64   C) 50   D) 45

32.   1.1-3 file-» 23 - 4 - -   (36559)
$\dfrac{18n^2 - 162}{n^2}$ ифода натурал сон бўладиган n нинг барча натурал қийматлари нечта?

A) 3   **B) 1**   C) 2   D) 6

33.   1.1-3 file-» 6 - 8 - -   (56464)
6 ни берилган сонга кўпайтирганда, ҳосил бўлган сон $\ldots 14$ кўринишда бўлса, берилган сон қуйидагилардан қайси бири кўринишида бўлиши мумкин?

A) $\ldots 24$ **B) $\ldots 19$**   C) $\ldots 79$ D) $\ldots 14$

34.   1.1-3 file-» 23 - 9 - -   (57191)
$\dfrac{n^2 - 24}{n}$ ифода натурал сон бўладиган n нинг барча натурал қийматлари йиғиндисини топинг.

A) 44   B) 54   **C) 50**   D) 48

35.   1.1-3 file-» 23 - 15 - - 2   (64290)
$3p - 3 \in N$ сон 1; 2; 3; 6; 9; 18 ва 21 га қолдиқсиз бўлинади. p нинг энг кичик натурал қийматини топинг.

A) 42   B) 41   **C) 43**   D) 7

36.   1.1-3 file-» 19 - 1 - - 3   (68317)
36455472363 ни $2, 4, 5, 9, 10$ ва 25 га бўлганда ҳосил бўлган қолдиқлар йиғиндисини топинг.

A) 26   B) 16   C) 15   D) 14

37.   1.1-3 file-» 16 - 4 - - 11   (72703)
Агар x, y, z ва t кетма-кет келадиган натурал сонлар бўлса, қуйидагиларнинг қайси бири албатта жуфт сон бўлади?

A) $\dfrac{x+y+z}{3}$ B) $\dfrac{xyzt}{24}$ C) $\dfrac{xyz}{6}$ **D) $\dfrac{yzt}{3}$**

38.   1.1-3 file-» 16 - 4 - - 11   (72753)

M та соннинг ўрта арифметиги 14 га, бошқа N тасиники - 28 га тенг. Шу $M + N$ та соннинг ўрта арифметигини топинг.

A) $\dfrac{N}{M}$ B) $\dfrac{M + N}{42}$ C) $\dfrac{14N + 28M}{M + N}$

D) $\underline{\dfrac{14M + 28N}{M + N}}$

39.   1.1-3 file-» 23 - 16 - - 1   (86902)

55 дан катта бўлмаган барча натурал сонларнинг кўпайтмаси нечта ноль билан тугайди?

A) 14   B) 12   **C)** $\underline{13}$ D) 11

40.   1.1-3 file-» 16 - 5 - - 12   (96299)

Томони 1000 дм га тенг бўлган квадрат томони 5 см га тенг бўлган квадратчаларга ажратилди. Шу квадратчалар кенглиги 10 см бўлган тасма шаклида жойлаштирилса, унинг узунлиги қанча бўлади?

A) $\underline{100 \text{ км}}$ B) 200 км   C) 20 км   D) 1 км

41.   1.1-3 file-» 23 - 19 - - 2   (109034)

Барча уч хонали сонлар ичида 44 га қолдиқсиз бўлинадиганлари нечта?

A) 19   **B)** $\underline{20}$ C) 22   D) 21

42.   1.1-3 file-» 23 - 19 - - 2   (109040)

$\dfrac{n^3 - 2n^2 - 12}{n}$ $(n \in N)$ касрнинг натурал сонлардан иборат барча қийматлари йиғиндисини топинг.

A) 102   B) 105   **C)** $\underline{146}$ D) 124

43.   1.1-3 file-» 16 - 8 - - 3   (131378)

100 ва 125 сўмлик дафтарлардан ҳаммаси бўлиб 1750 сўмлик харид қилинди. Қуйида келтирилган сонлардан қайси бири 100 сўмлик дафтарларнинг сонига тенг бўлиши мумкин?

A) 14   **B)** $\underline{15}$ C) 16   D) 17

44.   1.1-3 file-» 6 - 4 - -   (315001)

1 dan 120 gacha bo'lgan sonlar orasida 2 ga ham, 5 ga ham bo'linmaydiganlari nechta?

A) 36   B) 40   C) 44   **D)** $\underline{48}$

45.   1.1-3 file-» 6 - 5 - -   (315002)

1 dan 120 gacha bo'lgan sonlar orasida 3 ga ham, 5 ga ham bo'linmaydiganlari nechta?

A) 56   **B)** $\underline{64}$ C) 60   D) 61

46.   1.1-3 file-» 6 - 6 - -   (315003)

1 dan 126 gacha bo'lgan sonlar orasida 2 ga ham, 7 ga ham bo'linmaydiganlari nechta?

A) $\underline{54}$ B) 64   C) 50   D) 45

47.   1.1-3 file-» 23 - 4 - -   (315004)

$\dfrac{18n^2 - 162}{n^2}$ ifoda natural son bo'ladigan n ning barcha natural qiymatlari nechta?

A) 3   **B)** $\underline{1}$ C) 2   D) 6

48.   1.1-3 file-» 6 - 8 - -   (315005)

6 ni berilgan songa ko'paytirganda, hosil bo'lgan son $\dots14$ ko'rinishda bo'lsa, berilgan son quyidagilardan qaysi biri ko'rinishida bo'lishi mumkin?

A) $\dots24$ **B)** $\underline{\dots19}$ C) $\dots79$ D) $\dots14$

49.   1.1-3 file-» 23 - 9 - -   (315006)

$\dfrac{n^2 - 24}{n}$ ifoda natural son bo'ladigan n ning barcha natural qiymatlari yig'indisini toping.

A) 44   B) 54   **C)** $\underline{50}$ D) 48

50.   1.1-3 file-» 23 - 15 - - 2   (315007)

$3p - 3 \in N$ son 1; 2; 3; 6; 9; 18 va 21 ga qoldiqsiz bo'linadi. p ning eng kichik natural qiymatini toping.

A) 42   B) 41   **C)** $\underline{43}$ D) 7

51.   1.1-3 file-» 19 - 1 - - 3   (315008)

36455472363 ni 2, 4, 5, 9, 10 va 25 ga bo'lganda hosil bo'lgan qoldiqlar yig'indisini toping.

A) $\underline{26}$ B) 16   C) 15   D) 14

52.   1.1-3 file-» 16 - 4 - - 11   (315009)

Agar x, y, z va t ketma-ket keladigan natural sonlar bo'lsa, quyidagilarning qaysi biri albatta juft son bo'ladi?

A) $\dfrac{x + y + z}{3}$ B) $\dfrac{xyzt}{24}$ C) $\dfrac{xyz}{6}$ **D)** $\underline{\dfrac{yzt}{3}}$

53.   1.1-3 file-» 16 - 4 - - 11   (315010)

M ta sonning o'rta arifmetigi 14 ga, boshqa N tasiniki - 28 ga teng. Shu $M + N$ ta sonning o'rta arifmetigini toping.

A) $\dfrac{N}{M}$ B) $\dfrac{M + N}{42}$ C) $\dfrac{14N + 28M}{M + N}$

D) $\underline{\dfrac{14M + 28N}{M + N}}$

54.   1.1-3 file-» 23 - 16 - - 1   (315011)

55 dan katta bo'lmagan barcha natural sonlarning ko'paytmasi nechta nol bilan tugaydi?

A) 14   B) 12   **C)** $\underline{13}$ D) 11

55. 1.1-3 file-» 16 - 5 - - 12 (315012)

Tomoni 1000 dm ga teng bo'lgan kvadrat tomoni 5 sm ga teng bo'lgan kvadratchalarga ajratildi. Shu kvadratchalar kengligi 10 sm bo'lgan tasma shaklida joylashtirilsa, uning uzunligi qancha bo'ladi?

A) $100\ km$ B) $200\ km$ C) $20\ km$
D) $1\ km$

56. 1.1-3 file-» 23 - 19 - - 2 (315013)

Barcha uch xonali sonlar ichida 44 ga qoldiqsiz bo'linadiganlari nechta?

A) 19   **B)** 20   C) 22   D) 21

57. 1.1-3 file-» 23 - 19 - - 2 (315014)

$\dfrac{n^3 - 2n^2 - 12}{n}$ $(n \in N)$ kasrning natural sonlardan iborat barcha qiymatlari yig'indisini toping.

A) 102   B) 105   **C)** 146   D) 124

58. 1.1-3 file-» 16 - 8 - - 3 (315015)

100 va 125 so'mlik daftarlardan hammasi bo'lib 1750 so'mlik xarid qilindi. Quyida keltirilgan sonlardan qaysi biri 100 so'mlik daftarlarning soniga teng bo'lishi mumkin?

A) 14   **B)** 15   C) 16   D) 17

59. 1.1-3 file-» 23 - 2 - - (401531)

$\dfrac{12 - 3n}{n}$ ifoda n ning nechta natural qiymatida natural son bo'ladi?

A) 6   **B)** 3   C) 5   D) 4

60. 1.1-3 file-» 23 - 3 - - (401532)

$\dfrac{3n - 24}{n}$ ifoda natural son bo'ladigan n ning natural qiymatlari nechta?

A) 2   B) 7   C) 3   D) 5

61. 1.1-3 file-» 22 - 17 - - (401533)

$\dfrac{3n - 4}{n - 5}$ ifoda n ning nechta natural qiymatida butun son bo'ladi?

A) 4   **B)** 3   C) 2   D) 1

62. 1.1-3 file-» 22 - 18 - - (401534)

$\dfrac{3n - 1}{n - 3}$ ifoda n ning nechta butun qiymatida natural son bo'ladi?

A) 6   B) 3   C) 4   D) 8

63. 1.1-3 file-» 2 - 2 - - 8 (401535)

Ikki sonning nisbati 11 : 14 kabi, ularning eng katta umumiy bo'luvchisi 5 ga teng. Bu sonlarning yig'indisini toping.

A) 130   B) 120   **C)** 125   D) 150

64. 1.1-3 file-» 5 - 11 - - 5 (401536)

1 dan 71 gacha bo'lgan toq sonlar yig'indisi qanday raqam bilan tugaydi?

A) 0   B) 1   C) 4   **D)** 6

65. 1.1-3 file-» 23 - 17 - - 7 (401537)

Uchta sonning o'rta arifmetigi 30 ga, dastlabki ikkitasiniki esa 25 ga teng. Uchinchi sonni toping.

A) 44   **B)** 40   C) 45   D) 38

66. 1.1-3 file-» 31 - 1 - - 8 (401538)

$1 * 4770$ yozuvdagi yulduzchani shunday raqam bilan almashtiringki, hosil bo'lgan son 45 ga qoldiqsiz bo'linsin.

A) 4   B) 5   **C)** 8   D) 6

67. 1.1-3 file-» 16 - 7 - - 6 (401539)

Sayohatchilar guruhidagi erkaklarning ayollar soniga nisbati 5:2 kabi. Quyida keltirilganlardan qaysi biri guruhdagi sayohatchilar soniga teng bo'la olmaydi?

A) 28   B) 21   **C)** 65   D) 35

68. 1.1-3 file-» 23 - 19 - - 2 (401540)

59 ni bo'lganda, qoldiq 9 chiqadigan barcha natural sonlarning yig'indisini toping.

A) 55   B) 45   C) 50   **D)** 85

69. 1.1-3 file-» 23 - 20 - - 9 (401541)

6 ga karrali ikki xonali natural sonlar nechta?

A) 15   B) 12   C) 13   D) 16

70. 1.1-3 file-» 23 - 22 - - 1 (401542)

Nechta uch xonali son 16 ga qoldiqsiz bo'linadi?

A) 56   B) 59   C) 61   D) 60

71. 1.1-3 file-» 23 - 22 - - 1 (401543)

Uchta sonning nisbati 1 : 2 : 6 ga, ularning yig'indisi esa 468 ga teng. Shu sonlardan eng kattasi va eng kichigining ayirmasini toping.

A) 240   B) 255   C) 230   **D)** 260

72. 1.1-3 file-» 51 - 1 - - (401544)

Agar $m > 3$, $n > 5$ va $k < 6$ bo'lsa, $3m + 5n - 2k$ ning eng kichik butun qiymatini toping.

A) 23   B) 14   C) 13   D) 22

73. 1.1-3 file-» 51 - 1 - - (401545)

Agar $m \geq 1$, $n \geq 2$ va $k \geq 36$ bo'lsa, $2 : m + 6 : n + 432 : k$ ifodaning eng katta qiymatini toping.

A) 8   B) 7   C) 19   **D)** 17

74. 1.2-1 file-» 22 - 3 - - 1 (704015)

$\dfrac{3,2 \cdot 0,15 \cdot 9,2}{4,6 \cdot 0,03 \cdot 19,2}$ ning qiymatini toping.

A) $\dfrac{5}{3}$ B) $\dfrac{2}{5}$ C) 2   D) $\dfrac{5}{2}$

75.   1.2-1 file-» 22 - 3 - - 1   (704016)

$-5\frac{3}{4}$ ga teskari sonni toping.

   A) $5\frac{3}{4}$ B) $-\frac{23}{4}$ **C)** $-\frac{4}{23}$ D) $\frac{4}{23}$

76.   1.2-1 file-» 22 - 3 - - 1   (704017)

3; y; 2,1 va 2,1 sonlarining o'rta arifmetigi 2,5 ga teng. y ni toping.

   A) $2,8$ B) $2,6$ C) 2 D) $3,4$

77.   1.2-1 file-» 22 - 4 - - 1   (704018)

$\frac{2,6 \cdot 0,21 \cdot 1,8}{7,2 \cdot 7,8 \cdot 0,28}$ ning qiymatini toping.

   A) $\frac{1}{24}$ B) $\frac{2}{5}$ **C)** $\frac{1}{16}$ D) $\frac{1}{12}$

78.   1.2-1 file-» 22 - 4 - - 1   (704019)

$3\frac{3}{4}$ songa teskari sonni toping.

   A) $-3\frac{3}{4}$ B) $\frac{15}{4}$ C) $-\frac{4}{15}$ **D)** $\frac{4}{15}$

79.   1.2-1 file-» 22 - 4 - - 1   (704020)

$5,2$; y; -2 sonlarning o'rta arifmetigi 1,5 ga teng. y ni toping.

   A) $1,2$ B) $-0,8$ C) $0,4$ **D)** $1,3$

80.   1.2-1 file-» 17 - 1 - - 1   (704021)

Xaritada ikki shahar orasidagi masofa 3,5 sm ga teng. Xaritadagi masshtab 1:4000000 bo'lsa, shaharlar orasidagi haqiqiy masofa necha km bo'ladi?

   A) 140 B) 210 C) 70 D) 700

81.   1.2-1 file-» 23 - 9 - - 1   (704022)

$2,014 : 0,19 + 2,5 \cdot 0,3$ ni hisoblang.

   A) $9,85$ **B)** $11,35$ C) $8,85$ D) $12,85$

82.   1.2-1 file-» 5 - 11 - - 1   (704023)

$(2,01 - 3,81) \cdot 3,8$ ifodani hisoblang.

   A) $6,84$ B) $5,82$ **C)** $-6,84$ D) $-5,82$

83.   1.2-1 file-» 5 - 14 - - 1   (704024)

$3602,1$ sonini standart shaklda yozing.

   A) $3,6 \cdot 10^3$ B) $0,36 \cdot 10^4$ C) $36,02 \cdot 10^2$
   D) $3,6021 \cdot 10^3$

84.   1.2-1 file-» 5 - 3 - - 2   (719013)

Ikki sonning yig'indisi 8,2 ga teng. Ulardan biri ikkinchisidan 4 marta kichik. Shu sonlarning kattasini toping.

   A) $6,56$ B) 6 C) $6,24$ D) $5,56$

85.   1.2-1 file-» 5 - 4 - - 2   (719014)

Ikki sonning yig'indisi 10,8 ga teng. Ulardan biri ikkinchisidan 3 marta kichik. Shu sonlarning kichigini toping.

   A) $1,2$ **B)** $2,7$ C) $4,8$ D) $5,4$

86.   1.2-1 file-» 5 - 5 - - 2   (719015)

Ikki sonning yig'indisi 11,5 ga teng. Ulardan biri ikkinchisidan 4 marta katta bo'lsa, shu sonlarning kattasini toping.

   A) $8,4$ B) $10,2$ C) $9,6$ **D)** $9,2$

87.   1.2-1 file-» 6 - 3 - - 2   (719016)

$3,701 \cdot 10^{-3} + 3,305 \cdot 10^{-4}$ yig'indi quyidagi sonlarning qaysi biriga teng?

   A) $4,0215 \cdot 10^{-3}$ B) $5,906 \cdot 10^{-7}$
   C) $3,4751 \cdot 10^{-3}$ **D)** $4,0315 \cdot 10^{-3}$

88.   1.2-1 file-» 6 - 4 - - 2   (719017)

$1,015 \cdot 10^{-5} + 4,24 \cdot 10^{-4}$ yig'indi quyidagi sonlarning qaysi biriga teng?

   A) $3,2415 \cdot 10^{-4}$ B) $4,2415 \cdot 10^{-4}$
   C) $4,155 \cdot 10^{-9}$ **D)** $4,3415 \cdot 10^{-4}$

89.   1.2-1 file-» 6 - 5 - - 2   (719018)

$3,104 \cdot 10^{-3} + 2,81 \cdot 10^{-2}$ yig'indi quyidagi sonlarning qaysi biriga teng?

   A) $3,1204 \cdot 10^{-2}$ B) $3,285 \cdot 10^{-2}$
   C) $2,1204 \cdot 10^{-2}$ D) $4,914 \cdot 10^{-3}$

90.   1.2-1 file-» 6 - 6 - - 2   (719019)

$1,011 \cdot 10^{-4} + 3,1 \cdot 10^{-3}$ yig'indi quyidagi sonlarning qaysi biriga teng?

   A) $2,2011 \cdot 10^{-3}$ B) $3,111 \cdot 10^{-4}$
   C) $3,2011 \cdot 10^{-3}$ D) $1,221 \cdot 10^{-3}$

91.   1.2-1 file-» 22 - 2 - - 2   (719020)

$\frac{1,65 \cdot 0,04 \cdot 0,85}{0,16 \cdot 0,68 \cdot 3,3}$ ning qiymatini toping.

   A) $\frac{5}{32}$ B) $\frac{1}{2}$ C) $\frac{2}{3}$ D) $\frac{1}{6}$

92.   1.2-1 file-» 22 - 2 - - 2   (719021)

$4\frac{2}{3}$ ga teskari sonni toping.

   A) $-4\frac{2}{3}$ **B)** $\frac{3}{14}$ C) $\frac{14}{3}$ D) $-\frac{3}{14}$

93.   1.2-1 file-» 22 - 2 - - 2   (719022)

x; $-2,1$ va $3,3$ sonlarining o'rta arifmetigi 0,7 ga teng. x ni toping.

   A) $0,9$ B) $-0,6$ C) $0,8$ D) $-0,3$

94. 1.2-2 file-» 6 - 3 - - (14005)
Қуйидаги оддий каср кўринишида берилган сонлардан қайсиларини чекли ўнли каср кўринишига келтириб бўлмайди:
1) $\frac{10}{65}$; 2) $\frac{7}{40}$; 3) $\frac{15}{85}$; 4) $\frac{18}{250}$?
A) $1; 2$ B) $2; 3$ C) $3; 4$ **D) $1; 3$**

95. 1.2-2 file-» 6 - 4 - - (14057)
Қуйидаги оддий каср кўринишида берилган сонлардан қайсиларини чекли ўнли каср кўринишига келтириб бўлмайди:
1) $\frac{15}{35}$; 2) $\frac{4}{125}$; 3) $\frac{11}{80}$; 4) $\frac{20}{55}$?
A) $1; 2$ B) $3; 4$ C) $1; 3$ **D) $1; 4$**

96. 1.2-2 file-» 6 - 5 - - (14109)
Қуйидаги оддий каср кўринишида берилган сонлардан қайсиларини чекли ўнли каср кўринишига келтириб бўлмайди:
1) $\frac{2}{34}$; 2) $\frac{14}{625}$; 3) $\frac{4}{90}$; 4) $\frac{11}{125}$?
A) $1; 3$ B) $2; 3$ C) $3; 4$ D) $4; 1$

97. 1.2-2 file-» 6 - 6 - - (14161)
Қуйидаги оддий каср кўринишида берилган сонлардан қайсиларини чекли ўнли каср кўринишига келтириб бўлмайди:
1) $\frac{7}{32}$; 2) $\frac{10}{55}$; 3) $\frac{11}{160}$; 4) $\frac{20}{35}$?
A) $2; 3$ B) $3; 4$ C) $4; 1$ **D) $2; 4$**

98. 1.2-2 file-» 6 - 7 - - (56406)
0,26·0,00015 кўпайтма қуйидаги сонлардан қайси бирига тенг эмас?
A) $3, 9 \cdot 10^{-5}$ B) $390 \cdot 10^{-7}$ C) $39 \cdot 10^{-6}$
D) $3, 9 \cdot 10^{-6}$

99. 1.2-2 file-» 6 - 8 - - (56466)
0,34 · 0,00025 кўпайтма қуйидаги сонлардан қайси бирига тенг эмас?
A) $8, 5 \cdot 10^{-5}$ B) $850 \cdot 10^{-7}$ C) $85 \cdot 10^{-6}$
D) $8, 5 \cdot 10^{-6}$

100. 1.2-2 file-» 13 - 3 - - (56579)
Учта соннинг ўрта арифметиги $13, 9$ га тенг. Агар сонларнинг иккитаси $20, 2$ ва $21, 7$ бўлса, учинчи сонни топинг.
A) $12, 1$ **B) $-0, 2$**   C) $-8, 4$ D) 13

101. 1.2-2 file-» 2 - 1 - - 6 (67867)
$4, 2 \cdot 13, 5 - 8, 7 \cdot 4, 2 - 5, 8 \cdot 8, 7 + 13, 5 \cdot 5, 8$ ни ҳисобланг.
A) 42 B) 52 C) 50 **D) 48**

102. 1.2-2 file-» 22 - 19 - - 4 (69913)
$\frac{0,005 \cdot 0,081 \cdot 3,2}{0,09 \cdot 0,0025 \cdot 6,4}$ нинг қийматини топинг.
A) 3 B) $0, 3$ C) 30 **D) $0, 9$**

103. 1.2-2 file-» 2 - 3 - - 2 (86135)
$173 \cdot 3, 6 + 2, 7 \cdot 64 + 2, 7 \cdot 36 + 17, 3 \cdot 64$ нинг қийматини топинг.
A) 3000 B) 1800 **C) 2000**   D) 1600

104. 1.2-2 file-» 22 - 20 - - 6 (96047)
$(0, 2 \cdot 0, 05 - 0, 05) : 0, 125 + 0, 96$ ни ҳисобланг.
A) $0, 64$ B) $-2, 45$ C) $3, 95$ D) $0, 43$

105. 1.2-2 file-» 22 - 20 - - 6 (96050)
$\frac{0,4^2 - 1,6 \cdot 0,8 + 1,6^2}{1,6^2 - 0,4^2}$ ни соддалаштиринг.
A) $1, 6$ B) $0, 375$ C) $1, 2$ **D) $0, 6$**

106. 1.2-2 file-» 22 - 21 - - 4 (105929)
$\frac{0,8 \cdot 0,06 + 1,2 \cdot 0,06}{0,2^2 - 0,4^2}$ ни соддалаштиринг.
A) -10 B) 10 C) $-0, 1$ **D) -1**

107. 1.2-2 file-» 22 - 21 - - 4 (105948)
a; 4,2; 3,1 ва 1,1 сонларининг ўрта арифметиги 2,95 га тенг. a нинг қийматини топинг.
A) $2, 1$ B) $-2, 6$ **C) $3, 4$**   D) 2

108. 1.2-2 file-» 5 - 13 - - 9 (115022)
Учта соннинг ўрта арифметиги 8,1 га, биринчи сон эса 7,35 га тенг. Агар кейинги ҳар бир сон аввалгисидан айни бир сонга фарқ қилса, кейинги сондан олдингисининг айирмасини топинг.
A) $0, 75$ B) $0, 1$ C) $\frac{1}{4}$ D) $0, 2$

109. 1.2-2 file-» 32 - 3 - - 2 (139888)
$\frac{0,26}{0,00026} + \frac{0,24}{0,0015} - \frac{0,7}{0,0014}$ ни ҳисобланг.
A) 540 B) 340 **C) 660**   D) 1340

110. 1.2-2 file-» 2 - 43 - - 7 (144506)
$\frac{0,28}{0,84} + \frac{0,23}{0,03} - \frac{0,9}{0,05}$ ифоданинг қийматини топинг.
A) 25 **B) -10**   C) $\frac{32}{3}$ D) 10

111. 1.2-2 file-» 31 - 2 - - 5 (146233)
$25\frac{1}{2}$ сонини 6; 7; 4 сонларига мутаносиб бўлакларга бўлгандаги энг кичик сонни топинг.
A) 3 B) 4 C) 5 **D) 6**

112. 1.2-2 file-» 31 - 2 - - 5 (146234)
Икки соннинг кўпайтмаси 5,76 га тенг. Биринчи кўпайтувчи 0,8 га, иккинчи кўпайтувчи 1,6 га бўлинса, кўпайтма неча бўлади?
A) 6 B) 10 C) 12 **D) $4, 5$**

113.   1.2-2 file-» 22 - 25 - - 8   (151071)

$$\frac{0,1^2 - 0,6 \cdot 0,2 + 0,6^2}{2,5 - 2,5^2}$$ ни ҳисобланг.

A) $-\dfrac{1}{15}$ B) $-\dfrac{1}{3}$ C) -3 D) $-1\dfrac{2}{3}$

114.   1.2-2 file-» 6 - 3 - -   (315016)

Quyidagi oddiy kasr ko'rinishida berilgan sonlardan qaysilarini chekli o'nli kasr ko'rinishiga keltirib bo'lmaydi:

1) $\dfrac{10}{65}$; 2) $\dfrac{7}{40}$; 3) $\dfrac{15}{85}$; 4) $\dfrac{18}{250}$?

A) *1; 2*   B) *2; 3*   C) *3; 4*   **D)** *1; 3*

115.   1.2-2 file-» 6 - 4 - -   (315017)

Quyidagi oddiy kasr ko'rinishida berilgan sonlardan qaysilarini chekli o'nli kasr ko'rinishiga keltirib bo'lmaydi:

1) $\dfrac{15}{35}$; 2) $\dfrac{4}{125}$; 3) $\dfrac{11}{80}$; 4) $\dfrac{20}{55}$?

A) *1; 2*   B) *3; 4*   C) *1; 3*   **D)** *1; 4*

116.   1.2-2 file-» 6 - 5 - -   (315018)

Quyidagi oddiy kasr ko'rinishida berilgan sonlardan qaysilarini chekli o'nli kasr ko'rinishiga keltirib bo'lmaydi:

1) $\dfrac{2}{34}$; 2) $\dfrac{14}{625}$; 3) $\dfrac{4}{90}$; 4) $\dfrac{11}{125}$?

A) *1; 3*   B) *2; 3*   C) *3; 4*   D) *4; 1*

117.   1.2-2 file-» 6 - 6 - -   (315019)

Quyidagi oddiy kasr ko'rinishida berilgan sonlardan qaysilarini chekli o'nli kasr ko'rinishiga keltirib bo'lmaydi:

1) $\dfrac{7}{32}$; 2) $\dfrac{10}{55}$; 3) $\dfrac{11}{160}$; 4) $\dfrac{20}{35}$?

A) *2; 3*   B) *3; 4*   C) *4; 1*   **D)** *2; 4*

118.   1.2-2 file-» 6 - 7 - -   (315020)

0,26·0,00015 ko'paytma quyidagi sonlardan qaysi biriga teng emas?

A) $3,9 \cdot 10^{-5}$ B) $390 \cdot 10^{-7}$ C) $39 \cdot 10^{-6}$
D) $3,9 \cdot 10^{-6}$

119.   1.2-2 file-» 6 - 8 - -   (315021)

0,34 · 0,00025 ko'paytma quyidagi sonlardan qaysi biriga teng emas?

A) $8,5 \cdot 10^{-5}$ B) $850 \cdot 10^{-7}$ C) $85 \cdot 10^{-6}$
D) $8,5 \cdot 10^{-6}$

120.   1.2-2 file-» 13 - 3 - -   (315022)

Uchta sonning o'rta arifmetigi $13,9$ ga teng. Agar sonlarning ikkitasi $20,2$ va $21,7$ bo'lsa, uchinchi sonni toping.

A) $12,1$ **B)** $-0,2$ C) $-8,4$ D) 13

121.   1.2-2 file-» 2 - 1 - - 6   (315023)

$4,2 \cdot 13,5 - 8,7 \cdot 4,2 - 5,8 \cdot 8,7 + 13,5 \cdot 5,8$ ni hisoblang.

A) 42 B) 52 C) 50 **D)** 48

122.   1.2-2 file-» 22 - 19 - - 4   (315024)

$$\frac{0,005 \cdot 0,081 \cdot 3,2}{0,09 \cdot 0,0025 \cdot 6,4}$$ ning qiymatini toping.

A) 3 B) $0,3$ C) 30 **D)** $0,9$

123.   1.2-2 file-» 2 - 3 - - 2   (315025)

$173 \cdot 3,6 + 2,7 \cdot 64 + 2,7 \cdot 36 + 17,3 \cdot 64$ ning qiymatini toping.

A) 3000 B) 1800 **C)** 2000 D) 1600

124.   1.2-2 file-» 22 - 20 - - 6   (315026)

$(0,2 \cdot 0,05 - 0,05) : 0,125 + 0,96$ ni hisoblang.

A) $0,64$ B) $-2,45$ C) $3,95$ D) $0,43$

125.   1.2-2 file-» 22 - 20 - - 6   (315027)

$$\frac{0,4^2 - 1,6 \cdot 0,8 + 1,6^2}{1,6^2 - 0,4^2}$$ ni soddalashtiring.

A) $1,6$ B) $0,375$ C) $1,2$ **D)** $0,6$

126.   1.2-2 file-» 22 - 21 - - 4   (315028)

$$\frac{0,8 \cdot 0,06 + 1,2 \cdot 0,06}{0,2^2 - 0,4^2}$$ ni soddalashtiring.

A) -10 B) 10 C) $-0,1$ **D)** -1

127.   1.2-2 file-» 22 - 21 - - 4   (315029)

$a; 4,2; 3,1$ va $1,1$ sonlarining o'rta arifmetigi $2,95$ ga teng. a ning qiymatini toping.

A) $2,1$ B) $-2,6$ **C)** $3,4$ D) 2

128.   1.2-2 file-» 5 - 13 - - 9   (315030)

Uchta sonning o'rta arifmetigi $8,1$ ga, birinchi son esa $7,35$ ga teng. Agar keyingi har bir son avvalgisidan ayni bir songa farq qilsa, keyingi sondan oldingisining ayirmasini toping.

A) $0,75$ B) $0,1$ C) $\dfrac{1}{4}$ D) $0,2$

129.   1.2-2 file-» 32 - 3 - - 2   (315031)

$$\frac{0,26}{0,00026} + \frac{0,24}{0,0015} - \frac{0,7}{0,0014}$$ ni hisoblang.

A) 540 B) 340 **C)** 660 D) 1340

130.   1.2-2 file-» 2 - 43 - - 7   (315032)

$$\frac{0,28}{0,84} + \frac{0,23}{0,03} - \frac{0,9}{0,05}$$ ifodaning qiymatini toping.

A) 25 **B)** -10 C) $\dfrac{32}{3}$ D) 10

131.   1.2-2 file-» 31 - 2 - - 5   (315033)

$25\dfrac{1}{2}$ sonini $6; 7; 4$ sonlariga mutanosib bo'laklarga bo'lgandagi eng kichik sonni toping.

A) 3 B) 4 C) 5 **D)** 6

132.	1.2-2 file-» 31 - 2 - - 5	(315034)

Ikki sonning koʻpaytmasi $5,76$ ga teng. Birinchi koʻpaytuvchi $0,8$ ga, ikkinchi koʻpaytuvchi $1,6$ ga boʻlinsa, koʻpaytma necha boʻladi?

A) 6 B) 10 C) 12 **D)** $4,5$

133.	1.2-2 file-» 22 - 25 - - 8	(315035)

$\dfrac{0,1^2 - 0,6 \cdot 0,2 + 0,6^2}{2,5 - 2,5^2}$ ni hisoblang.

A) $-\dfrac{1}{15}$ B) $-\dfrac{1}{3}$ C) -3 D) $-1\dfrac{2}{3}$

134.	1.2-2 file-» 5 - 3 - -	(401546)

Ikki sonning yigʻindisi $8,2$ ga teng. Ulardan biri ikkinchisidan 4 marta kichik. Shu sonlarning kattasini toping.

A) $6,56$ B) 6 C) $6,24$ D) $5,56$

135.	1.2-2 file-» 22 - 4 - -	(401547)

$3\dfrac{3}{4}$ songa teskari sonni toping.

A) $-3\dfrac{3}{4}$ B) $\dfrac{15}{4}$ C) $-\dfrac{4}{15}$ **D)** $\dfrac{4}{15}$

136.	1.2-2 file-» 22 - 4 - -	(401548)

$5,2;\ y;\ -2$ sonlarning oʻrta arifmetigi $1,5$ ga teng. y ni toping.

A) $1,2$ B) $-0,8$ C) $0,4$ **D)** $1,3$

137.	1.2-2 file-» 5 - 4 - -	(401549)

Ikki sonning yigʻindisi $10,8$ ga teng. Ulardan biri ikkinchisidan 3 marta kichik. Shu sonlarning kichigini toping.

A) $1,2$ **B)** $2,7$ C) $4,8$ D) $5,4$

138.	1.2-2 file-» 5 - 5 - -	(401550)

Ikki sonning yigʻindisi $11,5$ ga teng. Ulardan biri ikkinchisidan 4 marta katta boʻlsa, shu sonlarning kattasini toping.

A) $8,4$ B) $10,2$ C) $9,6$ **D)** $9,2$

139.	1.2-2 file-» 6 - 3 - -	(401551)

$3,701 \cdot 10^{-3} + 3,305 \cdot 10^{-4}$ yigʻindi quyidagi sonlarning qaysi biriga teng?

A) $4,0215 \cdot 10^{-3}$ B) $5,906 \cdot 10^{-7}$
C) $3,4751 \cdot 10^{-3}$ **D)** $4,0315 \cdot 10^{-3}$

140.	1.2-2 file-» 6 - 4 - -	(401552)

$1,015 \cdot 10^{-5} + 4,24 \cdot 10^{-4}$ yigʻindi quyidagi sonlarning qaysi biriga teng?

A) $3,2415 \cdot 10^{-4}$ B) $4,2415 \cdot 10^{-4}$
C) $4,155 \cdot 10^{-9}$ **D)** $4,3415 \cdot 10^{-4}$

141.	1.2-2 file-» 22 - 2 - -	(401553)

$\dfrac{1,65 \cdot 0,04 \cdot 0,85}{0,16 \cdot 0,68 \cdot 3,3}$ ning qiymatini toping.

A) $\dfrac{5}{32}$ B) $\dfrac{1}{2}$ C) $\dfrac{2}{3}$ D) $\dfrac{1}{6}$

142.	1.2-2 file-» 22 - 2 - -	(401554)

$4\dfrac{2}{3}$ ga teskari sonni toping.

A) $-4\dfrac{2}{3}$ **B)** $\dfrac{3}{14}$ C) $\dfrac{14}{3}$ D) $-\dfrac{3}{14}$

143.	1.2-2 file-» 22 - 2 - -	(401555)

$x;\ -2,1$ va $3,3$ sonlarining oʻrta arifmetigi $0,7$ ga teng. x ni toping.

A) $0,9$ B) $-0,6$ C) $0,8$ D) $-0,3$

144.	1.2-2 file-» 22 - 3 - -	(401556)

$\dfrac{3,2 \cdot 0,15 \cdot 9,2}{4,6 \cdot 0,03 \cdot 19,2}$ ning qiymatini toping.

A) $\dfrac{5}{3}$ B) $\dfrac{2}{5}$ C) 2 D) $\dfrac{5}{2}$

145.	1.2-2 file-» 22 - 3 - -	(401557)

$-5\dfrac{3}{4}$ ga teskari sonni toping.

A) $5\dfrac{3}{4}$ B) $-\dfrac{23}{4}$ **C)** $-\dfrac{4}{23}$ D) $\dfrac{4}{23}$

146.	1.2-2 file-» 22 - 3 - -	(401558)

$3;\ y;\ 2,1$ va $2,1$ sonlarining oʻrta arifmetigi $2,5$ ga teng. y ni toping.

A) $2,8$ B) $2,6$ C) 2 D) $3,4$

147.	1.2-2 file-» 22 - 4 - -	(401559)

$\dfrac{2,6 \cdot 0,21 \cdot 1,8}{7,2 \cdot 7,8 \cdot 0,28}$ ning qiymatini toping.

A) $\dfrac{1}{24}$ B) $\dfrac{2}{5}$ **C)** $\dfrac{1}{16}$ D) $\dfrac{1}{12}$

148.	1.2-2 file-» 17 - 1 - -	(401560)

Xaritada ikki shahar orasidagi masofa $3,5$ sm ga teng. Xaritadagi masshtab $1:4000000$ boʻlsa, shaharlar orasidagi haqiqiy masofa necha km boʻladi?

A) 140 B) 210 C) 70 D) 700

149.	1.3-2 file-» 6 - 3 - -	(14007)

Гўшт қайнатилганда ўз вазнининг 40% ини йўқотади. $7,2$ кг қайнатилган гўшт ҳосил қилиш учун қозонга неча кг гўшт солиш керак?

A) 12 B) 9 C) 18 D) $10,8$

150.	1.3-2 file-» 6 - 4 - -	(14059)

Гўшт қайнатилганда ўз вазнининг 40% ини йўқотади. 25 кг гўшт қайнатилганда вазни неча кг камаяди?

A) 12 B) 11 C) $9,5$ **D)** 10

151.	1.3-2 file-» 6 - 5 - -	(14111)

32 дан $62,4$ неча фоиз ортиқ?

A) 90 **B)** 95 C) $89,5$ D) 85

152. 1.3-2 file-» 6 - 6 - - (14163)
40 дан 29,2 неча фоиз кам?
A) 27 B) 30 C) 22 D) 35

153. 1.3-2 file-» 23 - 2 - - (36438)
Мис ва қўрғошиндан иборат қотишманинг
60% и мис бўлиб, мис қўрғошиндан $1\frac{5}{6}$ кг кўп.
Қотишмада қанча мис бор?
A) 5 B) 7 C) 6 **D)** 5,5

154. 1.3-2 file-» 16 - 2 - - (56858)
Массаси 400 г ва концентрацияси 16% бўлган
эритма массаси 600 г ва концентрацияси 12%
бўлган эритма билан аралаштирилди. Ҳосил
бўлган аралашманинг концентрациясини (%)
топинг.
A) 11 B) 12 **C)** 13,6 D) 14,2

155. 1.3-2 file-» 23 - 16 - - 1 (86903)
Маҳсулотнинг нархи 25% га оширилди. Лекин
маҳсулотга талабнинг камлиги туфайли унинг
нархи 12% га камайтирилди. Маҳсулотнинг
охирги нархи дастлабкисига қараганда неча
фоиз ортди?
A) 10 B) 13 C) 12 D) 12,5

156. 1.3-2 file-» 16 - 6 - - 4 (88105)
Агар A, B, C ва D сонларнинг нисбати 2:3:4:$2\frac{3}{4}$
каби бўлса, $\frac{A+B}{C+D}$ нинг қийматини аниқланг.
A) $\frac{20}{27}$ B) $\frac{3}{4}$ C) $\frac{5}{9}$ D) $\frac{9}{5}$

157. 1.3-2 file-» 16 - 6 - - 4 (88109)
Ёғлилиги 2% бўлган 80 л сут билан ёғлилиги
5% бўлган неча л сут аралаштирилса,
ёғлилиги 2,6% бўлган сут олиш мумкин?
A) 20 B) 30 C) 40 D) 50

158. 1.3-2 file-» 16 - 6 - - 4 (88130)
Тўғри тўртбурчакнинг бўйи 20% га
орттирилди. Унинг юзи ўзгармаслиги учун
энини неча фоизга камайтириш керак?
A) 20 **B)** $16\frac{2}{3}$ C) 25 D) $18\frac{1}{3}$

159. 1.3-2 file-» 16 - 7 - - 6 (105879)
Квадратнинг периметри 30% га узайтирилса,
унинг юзи неча фоизга кўпаяди?
A) 69 B) 60 C) 59 D) 44

160. 1.3-2 file-» 16 - 8 - - 3 (131375)
Агар квадратнинг периметри 20% га
камайтирилса, унинг юзи неча фоизга
камаяди?
A) 20 B) 40 **C)** 36 D) 19

161. 1.3-2 file-» 16 - 11 - - 11 (135962)
14% га арзонлаштирилгандан кейин
маҳсулотнинг баҳоси 2150 сўм бўлди.
Маҳсулотнинг дастлабки баҳосини аниқланг.
A) 2250 **B)** 2500 C) 2750 D) 3000

162. 1.3-2 file-» 23 - 22 - - 1 (140287)
Маҳсулотнинг нархи кетма-кет икки марта
20% га оширилгандан сўнг 516 сўм бўлди.
Биринчи кўтарилгандан сўнг маҳсулотнинг
нархи неча сўм бўлган?
A) 416 **B)** 430 C) 480 D) 486

163. 1.3-2 file-» 16 - 12 - - 9 (141719)
720 нинг 50% и 18 нинг 500% идан неча фоиз
кўп?
A) 400 B) 200 **C)** 300 D) 320

164. 1.3-2 file-» 16 - 12 - - 9 (141720)
Маҳсулотнинг баҳоси 30% га оширилди.
Маълум вақтдан кейин 20% га
арзонлаштирилди, шундан сўнг унинг нархи
8944 сўм бўлди. Маҳсулотнинг дастлабки
баҳоси неча сўм бўлган?
A) 8600 B) 8400 C) 8500 D) 9300

165. 1.3-2 file-» 16 - 12 - - 9 (141721)
А сонининг 25% и В сонининг 20% ига тенг
бўлса, А сони В сонининг неча фоизини
ташкил этади?
A) 80 B) 55 C) 60 D) 40

166. 1.3-2 file-» 31 - 2 - - 5 (146245)
Умумий дафтарнинг баҳоси олдин 15%, кейин
139 сўм арзонлашгач, 150 сўм бўлди.
Дафтарнинг дастлабки баҳоси неча сўм
бўлган?
A) 400 B) 500 C) 350 **D)** 340

167. 1.3-2 file-» 16 - 13 - - 7 (147410)
$x (x > 0)$ га тескари бўлган сон x нинг 16% ини
ташкил этади. x нинг қийматини топинг.
A) $2\frac{1}{2}$ B) $2\frac{3}{4}$ C) $2\frac{1}{4}$ D) $3\frac{1}{3}$

168. 1.3-2 file-» 16 - 13 - - 7 (147411)
Маҳсулотнинг нархи кетма-кет икки марта
20% дан оширилди. Кейинчалик бу
маҳсулотга талабнинг камлиги туфайли унинг
нархи 40% га камайтирилди. Маҳсулотнинг
кейинги баҳоси дастлабки баҳосига қараганда
қандай ўзгарган?
A) ўзгармаган B) 1,2% га ортган
C) 13,6% га камайган
D) 8,64% га камайган

169.　　1.3-2 file-» 6 - 3 - -　　　　(315036)
Go'sht qaynatilganda o'z vaznining
40% ini yo'qotadi. 7,2 kg qaynatilgan go'sht hosil
qilish uchun qozonga necha kg go'sht solish
kerak?
A) 12　　B) 9　　C) 18　　D) 10,8

170.　　1.3-2 file-» 6 - 4 - -　　　　(315037)
Go'sht qaynatilganda o'z vaznining 40% ini
yo'qotadi. 25 kg go'sht qaynatilganda vazni
necha kg kamayadi?
A) 12　　B) 11　　C) 9,5　　**D)** 10

171.　　1.3-2 file-» 6 - 5 - -　　　　(315038)
32 dan 62,4 necha foiz ortiq?
A) 90　　**B)** 95　　C) 89,5　　D) 85

172.　　1.3-2 file-» 6 - 6 - -　　　　(315039)
40 dan 29,2 necha foiz kam?
A) 27　　B) 30　　C) 22　　D) 35

173.　　1.3-2 file-» 23 - 2 - -　　　　(315040)
Mis va qo'rg'oshindan iborat qotishmaning 60% i
mis bo'lib, mis qo'rg'oshindan $1\frac{5}{6}$ kg ko'p.
Qotishmada qancha mis bor?
A) 5　　B) 7　　C) 6　　**D)** 5,5

174.　　1.3-2 file-» 16 - 2 - -　　　　(315041)
Massasi 400 g va konsentratsiyasi 16% bo'lgan
eritma massasi 600 g va konsentratsiyasi 12%
bo'lgan eritma bilan aralashtirildi. Hosil bo'lgan
aralashmaning konsentratsiyasini (%) toping.
A) 11　　B) 12　　**C)** 13,6　　D) 14,2

175.　　1.3-2 file-» 23 - 16 - - 1　　　　(315042)
Mahsulotning narxi 25% ga oshirildi. Lekin
mahsulotga talabning kamligi tufayli uning narxi
12% ga kamaytirildi. Mahsulotning oxirgi narxi
dastlabkisiga qaraganda necha foiz ortdi?
A) 10　　B) 13　　C) 12　　D) 12,5

176.　　1.3-2 file-» 16 - 6 - - 4　　　　(315043)
Agar A, B, C va D sonlarning nisbati 2:3:4:$2\frac{3}{4}$
kabi bo'lsa, $\dfrac{A+B}{C+D}$ ning qiymatini aniqlang.
A) $\dfrac{20}{27}$　　B) $\dfrac{3}{4}$　　C) $\dfrac{5}{9}$　　D) $\dfrac{9}{5}$

177.　　1.3-2 file-» 16 - 6 - - 4　　　　(315044)
Yog'liligi 2% bo'lgan 80 l sut bilan yog'liligi 5%
bo'lgan necha l sut aralashtirilsa, yog'liligi 2,6%
bo'lgan sut olish mumkin?
A) 20　　B) 30　　C) 40　　D) 50

178.　　1.3-2 file-» 16 - 6 - - 4　　　　(315045)
To'g'ri to'rtburchakning bo'yi 20% ga orttirildi.
Uning yuzi o'zgarmasligi uchun enini necha
foizga kamaytirish kerak?
A) 20　　**B)** $16\frac{2}{3}$　　C) 25　　D) $18\frac{1}{3}$

179.　　1.3-2 file-» 16 - 7 - - 6　　　　(315046)
Kvadratning perimetri 30% ga uzaytirilsa, uning
yuzi necha foizga ko'payadi?
A) 69　　B) 60　　C) 59　　D) 44

180.　　1.3-2 file-» 16 - 8 - - 3　　　　(315047)
Agar kvadratning perimetri 20% ga kamaytirilsa,
uning yuzi necha foizga kamayadi?
A) 20　　B) 40　　**C)** 36　　D) 19

181.　　1.3-2 file-» 16 - 11 - - 11　　　　(315048)
14% ga arzonlashtirilgandan keyin mahsulotning
bahosi 2150 so'm bo'ldi. Mahsulotning dastlabki
bahosini aniqlang.
A) 2250　　**B)** 2500　　C) 2750　　D) 3000

182.　　1.3-2 file-» 23 - 22 - - 1　　　　(315049)
Mahsulotning narxi ketma-ket ikki marta 20% ga
oshirilgandan so'ng 516 so'm bo'ldi. Birinchi
ko'tarilgandan so'ng mahsulotning narxi necha
so'm bo'lgan?
A) 416　　**B)** 430　　C) 480　　D) 486

183.　　1.3-2 file-» 16 - 12 - - 9　　　　(315050)
720 ning 50% i 18 ning 500% idan necha foiz
ko'p?
A) 400　　B) 200　　**C)** 300　　D) 320

184.　　1.3-2 file-» 16 - 12 - - 9　　　　(315051)
Mahsulotning bahosi 30% ga oshirildi. Ma'lum
vaqtdan keyin 20% ga arzonlashtirildi, shundan
so'ng uning narxi 8944 so'm bo'ldi. Mahsulotning
dastlabki bahosi necha so'm bo'lgan?
A) 8600　　B) 8400　　C) 8500　　D) 9300

185.　　1.3-2 file-» 16 - 12 - - 9　　　　(315052)
A sonining 25% i B sonining 20% iga teng bo'lsa,
A soni B sonining necha foizini tashkil etadi?
A) 80　　B) 55　　C) 60　　D) 40

186.　　1.3-2 file-» 31 - 2 - - 5　　　　(315053)
Umumiy daftarning bahosi oldin 15%, keyin
139 so'm arzonlashgach, 150 so'm bo'ldi.
Daftarning dastlabki bahosi necha so'm bo'lgan?
A) 400　　B) 500　　C) 350　　**D)** 340

187.　　1.3-2 file-» 16 - 13 - - 7　　　　(315054)
$x(x > 0)$ ga teskari bo'lgan son x ning 16% ini
tashkil etadi. x ning qiymatini toping.
A) $2\frac{1}{2}$　　B) $2\frac{3}{4}$　　C) $2\frac{1}{4}$　　D) $3\frac{1}{3}$

188.   1.3-2 file-» 16 - 13 - - 7   (315055)
Mahsulotning narxi ketma-ket ikki marta 20% dan oshirildi. Keyinchalik bu mahsulotga talabning kamligi tufayli uning narxi 40% ga kamaytirildi. Mahsulotning keyingi bahosi dastlabki bahosiga qaraganda qanday o'zgargan?

A) o'zgarmagan   B) $1,2\%$ ga ortgan
C) $13,6\%$ ga kamaygan
D) $8,64\%$ ga kamaygan

189.   1.3-2 file-» 50 - 113 - -   (401561)
Ikkita buyumning birgalikdagi bahosi 35800 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 38070 so'm turadi. Birinchi buyumning dastlabki bahosini toping.

A) 12400   B) 23300   C) 13640   D) 25740

190.   1.3-2 file-» 50 - 113 - -   (401562)
Ikkita buyumning birgalikdagi bahosi 53700 so'm turadi. Agar birinchi buyumning bahosi 20% kamaytirilsa, ikkinchisiniki esa 10% orttirilsa, ular birgalikda 53490 so'm turadi. Birinchi buyumning dastlabki bahosini toping.

A) 35000   **B) 18600**   C) 22320   D) 42120

191.   1.3-2 file-» 50 - 113 - -   (401563)
Ikkita buyumning birgalikdagi bahosi 107400 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 25% orttirilsa, ular birgalikda 119370 so'm turadi. Birinchi buyumning dastlabki bahosini toping.

A) 42780   B) 70100   **C) 37200**   D) 80730

192.   1.3-2 file-» 50 - 113 - -   (401564)
Ikkita buyumning birgalikdagi bahosi 75100 so'm turadi. Agar birinchi buyumning bahosi 20% kamaytirilsa, ikkinchisiniki esa 10% orttirilsa, ular birgalikda 65870 so'm turadi. Birinchi buyumning dastlabki bahosini toping.

A) 23160   B) 19200   C) 66960   **D) 55800**

193.   1.3-2 file-» 50 - 113 - -   (401565)
Ikkita buyumning birgalikdagi bahosi 16110 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 20% orttirilsa, ular birgalikda 17658 so'm turadi. Birinchi buyumning dastlabki bahosini toping.

A) 5580   B) 10430   C) 6138   D) 15583

194.   1.3-2 file-» 50 - 113 - -   (401566)
Ikkita buyumning birgalikdagi bahosi 35000 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 20% orttirilsa, ular birgalikda 37660 so'm turadi. Birinchi buyumning dastlabki bahosini toping.

A) 22500   **B) 12400**   C) 14260   D) 25990

195.   1.3-2 file-» 50 - 113 - -   (401567)
Ikkita buyumning birgalikdagi bahosi 25700 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 20% orttirilsa, ular birgalikda 26465 so'm turadi. Birinchi buyumning dastlabki bahosini toping.

A) 14375   B) 13100   **C) 12500**   D) 15180

196.   1.3-2 file-» 50 - 113 - -   (401568)
Ikkita buyumning birgalikdagi bahosi 30000 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 25% orttirilsa, ular birgalikda 32220 so'm turadi. Birinchi buyumning dastlabki bahosini toping.

A) 19320   B) 16700   C) 15180   **D) 13200**

197.   1.3-2 file-» 50 - 113 - -   (401569)
Ikkita buyumning birgalikdagi bahosi 64600 so'm turadi. Agar birinchi buyumning bahosi 25% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 65330 so'm turadi. Birinchi buyumning dastlabki bahosini toping.

A) 22400   B) 42100   C) 28000   D) 52750

198.   1.3-2 file-» 50 - 113 - -   (401570)
Ikkita buyumning birgalikdagi bahosi 57700 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 25% orttirilsa, ular birgalikda 59285 so'm turadi. Birinchi buyumning dastlabki bahosini toping.

A) 25500   **B) 32100**   C) 36915   D) 29440

199.   1.3-2 file-» 50 - 113 - -   (401571)
Ikkita buyumning birgalikdagi bahosi 35600 so'm turadi. Agar birinchibuyumning bahosi 25% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 31980 so'm turadi. Birinchi buyumning dastlabki bahosini toping.

A) 28000   B) 13100   **C) 22400**   D) 16500

200.   1.3-2 file-» 50 - 113 - -   (401572)
Ikkita buyumning birgalikdagi bahosi 45300 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 20% orttirilsa, ular birgalikda 43125 so'm turadi. Birinchi buyumning dastlabki bahosini toping.

A) 15180   B) 13100   C) 36915   **D) 32100**

201.   1.3-2 file-» 50 - 113 - -   (401573)
Ikkita buyumning birgalikdagi bahosi 39000 so'm turadi. Agar birinchi buyumning bahosi 20% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 35890 so'm turadi. Birinchi buyumning dastlabki bahosini toping.

A) 25600   B) 13300   C) 30720   D) 16080

202. 1.3-2 file-» 50 - 113 - - (401574)
Ikkita buyumning birgalikdagi bahosi 40000 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 20% orttirilsa, ular birgalikda 39005 so'm turadi. Birinchi buyumning dastlabki bahosini toping.

A) 14200 **B) 25700** C) 29555 D) 16445

203. 1.3-2 file-» 50 - 113 - - (401575)
Ikkita buyumning birgalikdagi bahosi 60000 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 20% orttirilsa, ular birgalikda 66120 so'm turadi. Birinchi buyumning dastlabki bahosini toping.

A) 19320 B) 43100 **C) 16800** D) 49680

204. 1.3-2 file-» 50 - 113 - - (401576)
Ikkita buyumning birgalikdagi bahosi 51100 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 10% orttirilsa, ular birgalikda 49560 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.

A) 24500 B) 26500 C) 20510 D) 22925

205. 1.3-2 file-» 50 - 113 - - (401577)
Ikkita buyumning birgalikdagi bahosi 57900 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 10% orttirilsa, ular birgalikda 55040 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.

A) 34500 **B) 23300** C) 18110 D) 31105

206. 1.3-2 file-» 50 - 113 - - (401578)
Ikkita buyumning birgalikdagi bahosi 61900 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 10% orttirilsa, ular birgalikda 60990 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.

A) 29240 B) 28300 **C) 33500** D) 23375

207. 1.3-2 file-» 50 - 113 - - (401579)
Ikkita buyumning birgalikdagi bahosi 75600 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 76140 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.

A) 39960 B) 43100 C) 28080 **D) 32400**

208. 1.3-2 file-» 50 - 113 - - (401580)
Ikkita buyumning birgalikdagi bahosi 76700 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 20% orttirilsa, ular birgalikda 81990 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.

A) 43200 B) 33400 C) 39850 D) 29180

209. 1.3-2 file-» 50 - 113 - - (401581)
Ikkita buyumning birgalikdagi bahosi 63000 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 10% orttirilsa, ular birgalikda 60650 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.

A) 34500 **B) 28400** C) 23210 D) 30340

210. 1.3-2 file-» 50 - 113 - - (401582)
Ikkita buyumning birgalikdagi bahosi 62800 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 65145 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.

A) 31670 B) 28200 **C) 34500** D) 24850

211. 1.3-2 file-» 50 - 113 - - (401583)
Ikkita buyumning birgalikdagi bahosi 43500 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 45100 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.

A) 17320 B) 19600 C) 21830 **D) 23800**

212. 1.3-2 file-» 50 - 113 - - (401584)
Ikkita buyumning birgalikdagi bahosi 60000 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 60650 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.

A) 26600 B) 33300 C) 23260 D) 30740

213. 1.3-2 file-» 50 - 113 - - (401585)
Ikkita buyumning birgalikdagi bahosi 54400 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 56985 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.

A) 22200 **B) 32100** C) 29870 D) 19090

214. 1.3-2 file-» 50 - 113 - - (401586)
Ikkita buyumning birgalikdagi bahosi 73500 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 76075 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.

A) 36320 B) 33700 **C) 39700** D) 29830

215. 1.3-2 file-» 50 - 113 - - (401587)
Ikkita buyumning birgalikdagi bahosi 67400 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 66735 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.

A) 40670 B) 43000 C) 19990 **D) 24300**

216.　　1.3-2 file-» 50 - 113 - -　　(401588)
Ikkita buyumning birgalikdagi bahosi 77500 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 78575 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.

A) 35300　　B) 42100　　C) 31080　　D) 38670

217.　　1.3-2 file-» 50 - 113 - -　　(401589)
Ikkita buyumning birgalikdagi bahosi 62300 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 10% orttirilsa, ular birgalikda 59630 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.

A) 35500　　**B)** 26700　　C) 21360　　D) 31595

218.　　1.3-2 file-» 50 - 113 - -　　(401590)
Ikkita buyumning birgalikdagi bahosi 62000 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 64625 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.

A) 32630　　B) 26600　　**C)** 35300　　D) 23170

219.　　1.3-3 file-» 13 - 1 - - 1　　(64194)
1040 сони шундай икки бўлакка бўлинганки, улардан бирининг 80% и иккинчисининг 24% ини ташкил қилади. Бўлакларнинг кичигини топинг.

A) 800　　**B)** 240　　C) 500　　D) 460

220.　　1.3-3 file-» 22 - 19 - - 4　　(69918)
Икки цех 690 та кир ювиш машинаси ишлаб чиқариши керак. Биринчи цех ишлаб чиқарган маҳсулотнинг $\frac{2}{9}$ қисми иккинчи цех ишлаб чиқарган маҳсулотнинг 80% ига тенг. Биринчи цех қанча маҳсулот ишлаб чиқарган?

A) 150　　B) 180　　C) 240　　**D)** 540

221.　　1.3-3 file-» 16 - 4 - - 11　　(72700)
Корхонада маҳсулот ишлаб чиқариш биринчи йили 18% га, иккинчи йили 15% га ортди. Маҳсулот ишлаб чиқариш икки йил мобайнида неча фоизга ортган?

A) 35,7　　B) 34,7　　C) 35　　D) 33

222.　　1.3-3 file-» 16 - 6 - - 4　　(88107)
Агар кубнинг қирраси 10% га камайтирилса, унинг ҳажми неча фоизга камаяди?

A) 27,1　　B) 30　　C) 26,1　　D) 30,8

223.　　1.3-3 file-» 5 - 11 - - 5　　(93370)
Цехда 120 та самовар ва 25 та патнис ясалган. Сарф қилинган ҳамма материалнинг 0,96 қисми самоварга кетган. Агар ҳар бир самоварнинг оғирлиги 3,6 кг дан бўлса, ҳар бир патнис неча кг бўлган?

A) 0,8　　B) 0,04　　**C)** 0,72　　D) 0,9

224.　　1.3-3 file-» 5 - 11 - - 5　　(93372)
Биринчи сон 80 га тенг. Иккинчи сон биринчи соннинг 80% ини, учинчиси эса биринчи ва иккинчи сон йиғиндисининг 50% ини ташкил қилади. Бу сонларнинг ўрта арифметигини топинг.

A) 80　　B) 64　　**C)** 72　　D) 54

225.　　1.3-3 file-» 16 - 7 - - 6　　(105880)
Ишлаб чиқариш самарадорлиги биринчи йили 15% га, иккинчи йили 16% га ортди. Шу икки йил ичида самарадорлик неча фоизга ортган?

A) 32,4　　**B)** 33,4　　C) 34,4　　D) 31

226.　　1.3-3 file-» 16 - 7 - - 6　　(105882)
x нинг y га нисбати 9:7 каби, y нинг z га нисбати 14:15 каби. z нинг неча фоизини x ташкил этади?

A) 120　　B) 140　　C) 80　　D) 160

227.　　1.3-3 file-» 2 - 40 - - 8　　(109597)
15 кг эритманинг 40 фоизи туздан иборат. Тузнинг миқдори 25 фоиз бўлиши учун эритмага неча кг чучук сув қўшиш керак?

A) 9　　B) 6　　C) 10　　D) 8

228.　　1.3-3 file-» 27 - 1 - - 5　　(113227)
11300 нинг 36% и ва 9000 нинг 28% и йиғиндиси шу сонлар йиғиндисининг 40% идан қанчага кам?

A) 1532　　B) 1432　　C) 1632　　D) 1528

229.　　1.3-3 file-» 27 - 2 - - 8　　(113277)
Иккита мусбат соннинг ўрта арифметиги 6,5 га тенг. Уларнинг ўрта геометриги эса шу сонларнинг ўрта арифметигини $\frac{12}{13}$ қисмини ташкил этади. Берилган сонларни топинг.

A) 12 ва 3　　B) 12 ва 1　　C) 7 ва 6　　**D)** 9 ва 4

230.　　1.3-3 file-» 22 - 23 - - 6　　(134288)
Биринчи сон 0,75 га, иккинчи сон 0,15 га тенг. Биринчи сон иккинчи сондан неча фоиз ортиқ?

A) 400　　B) 500　　C) 300　　D) 40

231.　　1.3-3 file-» 16 - 11 - - 11　　(135963)
x y нинг 75% ини ташкил этади, y эса z дан 300% га кўп. x z дан неча фоиз кўп?

A) 100　　B) 80　　**C)** 200　　D) 250

232.　　1.3-3 file-» 16 - 11 - - 11　　(135998)
Йил бошида ўғил болалар синфдаги ўқувчиларнинг 30% ини, қизлар эса 21 нафарни ташкил этарди. Йилнинг ўртасида синфга 6 та янги ўғил бола келди ва 11 та қиз бошқа синфга ўтди. Шундан сўнг ўғил болалар синфдаги ўқувчиларнинг неча фоизини ташкил этади?

A) 70　　B) 50　　C) 55　　**D)** 60

233. 1.3-3 file-» 19 - 6 - - 8 (136382)
Дафтарнинг нархи кетма-кет икки марта бир хил фоизга пасайтирилгандан кейин, 90 сўмдан 72,9 сўмга тушди. Дафтарнинг нархи ҳар гал неча фоизга пасайтирилган?

A) 20   B) 9   C) 15   **D)** 10

234. 1.3-3 file-» 13 - 1 - - 1 (315056)
1040 soni shunday ikki bo'lakka bo'linganki, ulardan birining 80% i ikkinchisining 24% ini tashkil qiladi. Bo'laklarning kichigini toping.

A) 800   **B)** 240   C) 500   D) 460

235. 1.3-3 file-» 22 - 19 - - 4 (315057)
Ikki sex 690 ta kir yuvish mashinasi ishlab chiqarishi kerak. Birinchi sex ishlab chiqargan mahsulotning $\dfrac{2}{9}$ qismi ikkinchi sex ishlab chiqargan mahsulotning 80% iga teng. Birinchi sex qancha mahsulot ishlab chiqargan?

A) 150   B) 180   C) 240   **D)** 540

236. 1.3-3 file-» 16 - 4 - - 11 (315058)
Korxonada mahsulot ishlab chiqarish birinchi yili 18% ga, ikkinchi yili 15% ga ortdi. Mahsulot ishlab chiqarish ikki yil mobaynida necha foizga ortgan?

A) 35, 7   B) 34, 7   C) 35   D) 33

237. 1.3-3 file-» 16 - 6 - - 4 (315059)
Agar kubning qirrasi 10% ga kamaytirilsa, uning hajmi necha foizga kamayadi?

A) 27, 1   B) 30   C) 26, 1   D) 30, 8

238. 1.3-3 file-» 5 - 11 - - 5 (315060)
Sexda 120 ta samovar va 25 ta patnis yasalgan. Sarf qilingan hamma materialning 0,96 qismi samovarga ketgan. Agar har bir samovarning og'irligi 3,6 kg dan bo'lsa, har bir patnis necha kg bo'lgan?

A) 0, 8   B) 0, 04   **C)** 0, 72   D) 0, 9

239. 1.3-3 file-» 5 - 11 - - 5 (315061)
Birinchi son 80 ga teng. Ikkinchi son birinchi sonning 80% ini, uchinchisi esa birinchi va ikkinchi son yig'indisining 50% ini tashkil qiladi. Bu sonlarning o'rta arifmetigini toping.

A) 80   B) 64   **C)** 72   D) 54

240. 1.3-3 file-» 16 - 7 - - 6 (315062)
Ishlab chiqarish samaradorligi birinchi yili 15% ga, ikkinchi yili 16% ga ortdi. Shu ikki yil ichida samaradorlik necha foizga ortgan?

A) 32, 4   **B)** 33, 4   C) 34, 4   D) 31

241. 1.3-3 file-» 16 - 7 - - 6 (315063)
x ning y ga nisbati 9:7 kabi, y ning z ga nisbati 14:15 kabi. z ning necha foizini x tashkil etadi?

A) 120   B) 140   C) 80   D) 160

242. 1.3-3 file-» 2 - 40 - - 8 (315064)
15 kg eritmaning 40 foizi tuzdan iborat. Tuzning miqdori 25 foiz bo'lishi uchun eritmaga necha kg chuchuk suv qo'shish kerak?

A) 9   B) 6   C) 10   D) 8

243. 1.3-3 file-» 27 - 1 - - 5 (315065)
11300 ning 36% i va 9000 ning 28% i yig'indisi shu sonlar yig'indisining 40% idan qanchaga kam?

A) 1532   B) 1432   C) 1632   D) 1528

244. 1.3-3 file-» 27 - 2 - - 8 (315066)
Ikkita musbat sonning o'rta arifmetigi 6,5 ga teng. Ularning o'rta geometrigi esa shu sonlarning o'rta arifmetigini $\dfrac{12}{13}$ qismini tashkil etadi. Berilgan sonlarni toping.

A) 12 va 3   B) 12 va 1   C) 7 va 6
D) 9 va 4

245. 1.3-3 file-» 22 - 23 - - 6 (315067)
Birinchi son 0,75 ga, ikkinchi son 0,15 ga teng. Birinchi son ikkinchi sondan necha foiz ortiq?

A) 400   B) 500   C) 300   D) 40

246. 1.3-3 file-» 16 - 11 - - 11 (315068)
x y ning 75% ini tashkil etadi, y esa z dan 300% ga ko'p. x z dan necha foiz ko'p?

A) 100   B) 80   **C)** 200   D) 250

247. 1.3-3 file-» 16 - 11 - - 11 (315069)
Yil boshida o'g'il bolalar sinfdagi o'quvchilarning 30% ini, qizlar esa 21 nafarni tashkil etardi. Yilning o'rtasida sinfga 6 ta yangi o'g'il bola keldi va 11 ta qiz boshqa sinfga o'tdi. Shundan so'ng o'g'il bolalar sinfdagi o'quvchilarning necha foizini tashkil etadi?

A) 70   B) 50   C) 55   **D)** 60

248. 1.3-3 file-» 19 - 6 - - 8 (315070)
Daftarning narxi ketma-ket ikki marta bir xil foizga pasaytirilgandan keyin, 90 so'mdan 72,9 so'mga tushdi. Daftarning narxi har gal necha foizga pasaytirilgan?

A) 20   B) 9   C) 15   **D)** 10

249. 1.3-3 file-» 50 - 114 - - (401591)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 156 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 260   B) 200   C) 360   D) 350

250. 1.3-3 file-» 50 - 114 - - (401592)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 168 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 220 **B) 280** C) 390 D) 380

251. 1.3-3 file-» 50 - 114 - - (401593)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 180 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 420 B) 230 **C) 300** D) 410

252. 1.3-3 file-» 50 - 114 - - (401594)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 192 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 440 B) 250 C) 450 **D) 320**

253. 1.3-3 file-» 50 - 114 - - (401595)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 204 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 340 B) 260 C) 470 D) 460

254. 1.3-3 file-» 50 - 114 - - (401596)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 195 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 240 **B) 325** C) 440 D) 430

255. 1.3-3 file-» 50 - 114 - - (401597)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 210 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 480 B) 260 **C) 350** D) 470

256. 1.3-3 file-» 50 - 114 - - (401598)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 225 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 500 B) 280 C) 510 **D) 375**

257. 1.3-3 file-» 50 - 114 - - (401599)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 240 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 400 B) 290 C) 540 D) 530

258. 1.3-3 file-» 50 - 114 - - (401600)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 255 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 310 **B) 425** C) 570 D) 560

259. 1.3-3 file-» 50 - 114 - - (401601)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 16% i birorta ham masalani yecha olmadi, 182 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 4 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 430 B) 240 **C) 325** D) 420

260.   1.3-3 file-» 50 - 114 - -   (401602)

Matematikadan o'tkazilgan imtihonda o'quvchilarning 16% i birorta ham masalani yecha olmadi, 196 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 4 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 450   B) 260   C) 460   **D) 350**

261.   1.3-3 file-» 50 - 114 - -   (401603)

Matematikadan o'tkazilgan imtihonda o'quvchilarning 16% i birorta ham masalani yecha olmadi, 210 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 4 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 375   B) 280   C) 500   D) 490

262.   1.3-3 file-» 50 - 114 - -   (401604)

Matematikadan o'tkazilgan imtihonda o'quvchilarning 16% i birorta ham masalani yecha olmadi, 224 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 4 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 290   **B) 400**   C) 520   D) 510

263.   1.3-3 file-» 50 - 114 - -   (401605)

Matematikadan o'tkazilgan imtihonda o'quvchilarning 16% i birorta ham masalani yecha olmadi, 238 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 4 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 550   B) 310   **C) 425**   D) 540

264.   1.3-3 file-» 50 - 114 - -   (401606)

Matematikadan o'tkazilgan imtihonda o'quvchilarning 10% i birorta ham masalani yecha olmadi, 299 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 2 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 640   B) 350   C) 650   **D) 460**

265.   1.3-3 file-» 50 - 114 - -   (401607)

Matematikadan o'tkazilgan imtihonda o'quvchilarning 10% i birorta ham masalani yecha olmadi, 312 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 2 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 480   B) 370   C) 690   D) 680

266.   1.3-3 file-» 50 - 114 - -   (401608)

Matematikadan o'tkazilgan imtihonda o'quvchilarning 10% i birorta ham masalani yecha olmadi, 325 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 2 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 380   **B) 500**   C) 710   D) 700

267.   1.3-3 file-» 50 - 114 - -   (401609)

Matematikadan o'tkazilgan imtihonda o'quvchilarning 10% i birorta ham masalani yecha olmadi, 338 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 2 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 740   B) 400   **C) 520**   D) 730

268.   1.3-3 file-» 50 - 114 - -   (401610)

Matematikadan o'tkazilgan imtihonda o'quvchilarning 10% i birorta ham masalani yecha olmadi, 351 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 2 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 770   B) 410   C) 760   **D) 540**

269.   1.3-3 file-» 50 - 114 - -   (401611)

Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 396 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 660   B) 500   C) 900   D) 890

270. 1.3-3 file-» 50 - 114 - - (401612)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 408 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 520 **B) 680** C) 930 D) 920

271. 1.3-3 file-» 50 - 114 - - (401613)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 420 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 960 B) 530 **C) 700** D) 950

272. 1.3-3 file-» 50 - 114 - - (401614)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 432 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 980 B) 550 C) 990 **D) 720**

273. 1.3-3 file-» 50 - 114 - - (401615)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 444 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 740 B) 560 C) 1010 D) 1000

274. 1.3-3 file-» 50 - 114 - - (401616)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 345 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 420 **B) 575** C) 770 D) 760

275. 1.3-3 file-» 50 - 114 - - (401617)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 360 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 810 B) 440 **C) 600** D) 800

276. 1.3-3 file-» 50 - 114 - - (401618)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 375 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 830 B) 460 C) 840 **D) 625**

277. 1.3-3 file-» 50 - 114 - - (401619)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 390 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 650 B) 470 C) 870 D) 860

278. 1.3-3 file-» 50 - 114 - - (401620)
Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 405 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?

A) 490 **B) 675** C) 900 D) 890

279. 1.3-3 file-» 50 - 119 - - (704025)
To'rtta sonning yig'indisi 161 ga teng. Ulardan dastlabki uchtasi 4, 5 va 8 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 6 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 35 B) 30 C) 45 D) 40

280. 1.3-3 file-» 50 - 119 - - (704026)
To'rtta sonning yig'indisi 192 ga teng. Ulardan dastlabki uchtasi 4, 5 va 9 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 6 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 45 **B) 40** C) 35 D) 50

281. 1.3-3 file-» 50 - 119 - - (704027)
To'rtta sonning yig'indisi 234 ga teng. Ulardan dastlabki uchtasi 4, 5 va 10 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 7 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 55   B) 50   **C)** 45   D) 40

282. 1.3-3 file-» 50 - 119 - - (704028)
To'rtta sonning yig'indisi 270 ga teng. Ulardan dastlabki uchtasi 4, 5 va 11 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 7 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 45   B) 60   C) 55   **D)** 50

283. 1.3-3 file-» 50 - 119 - - (704029)
To'rtta sonning yig'indisi 308 ga teng. Ulardan dastlabki uchtasi 4, 5 va 12 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 7 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 55   B) 50   C) 65   D) 60

284. 1.3-3 file-» 50 - 119 - - (704030)
To'rtta sonning yig'indisi 144 ga teng. Ulardan dastlabki uchtasi 4, 5 va 9 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 6 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 35   **B)** 30   C) 25   D) 40

285. 1.3-3 file-» 50 - 119 - - (704031)
To'rtta sonning yig'indisi 182 ga teng. Ulardan dastlabki uchtasi 4, 5 va 10 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 7 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 45   B) 40   **C)** 35   D) 30

286. 1.3-3 file-» 50 - 119 - - (704032)
To'rtta sonning yig'indisi 216 ga teng. Ulardan dastlabki uchtasi 4, 5 va 11 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 7 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 35   B) 50   C) 45   **D)** 40

287. 1.3-3 file-» 50 - 119 - - (704033)
To'rtta sonning yig'indisi 252 ga teng. Ulardan dastlabki uchtasi 4, 5 va 12 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 7 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 45   B) 40   C) 55   D) 50

288. 1.3-3 file-» 50 - 119 - - (704034)
To'rtta sonning yig'indisi 300 ga teng. Ulardan dastlabki uchtasi 4, 5 va 13 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 8 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 55   **B)** 50   C) 45   D) 60

289. 1.3-3 file-» 50 - 119 - - (704035)
To'rtta sonning yig'indisi 161 ga teng. Ulardan dastlabki uchtasi 4, 5 va 8 sonlariga to'g'ri proporsional ikkinchi va to'rtinchi sonlar esa 6 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 72   B) 64   **C)** 56   D) 48

290. 1.3-3 file-» 50 - 119 - - (704036)
To'rtta sonning yig'indisi 192 ga teng. Ulardan dastlabki uchtasi 4, 5 va 9 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 6 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 63   B) 90   C) 81   **D)** 72

291. 1.3-3 file-» 50 - 119 - - (704037)
To'rtta sonning yig'indisi 234 ga teng. Ulardan dastlabki uchtasi 4, 5 va 10 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 7 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 90   B) 80   C) 110   D) 100

292. 1.3-3 file-» 50 - 119 - - (704038)
To'rtta sonning yig'indisi 270 ga teng. Ulardan dastlabki uchtasi 4, 5 va 11 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 7 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 121   **B)** 110   C) 99   D) 132

293. 1.3-3 file-» 50 - 119 - - (704039)
To'rtta sonning yig'indisi 308 ga teng. Ulardan dastlabki uchtasi 4, 5 va 12 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 7 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 156   B) 144   **C)** 132   D) 120

294. 1.3-3 file-» 50 - 119 - - (704040)
To'rtta sonning yig'indisi 144 ga teng. Ulardan dastlabki uchtasi 4, 5 va 9 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 6 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 45   B) 72   C) 63   **D)** 54

295. 1.3-3 file-» 50 - 119 - - (704041)
To'rtta sonning yig'indisi 182 ga teng. Ulardan dastlabki uchtasi 4, 5 va 10 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 7 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 70   B) 60   C) 90   D) 80

296. 1.3-3 file-» 50 - 119 - - (704042)
To'rtta sonning yig'indisi 216 ga teng. Ulardan dastlabki uchtasi 4, 5 va 11 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 7 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 99   **B)** 88   C) 77   D) 110

297. 1.3-3 file-» 50 - 119 - - (704043)
To'rtta sonning yig'indisi 252 ga teng. Ulardan dastlabki uchtasi 4, 5 va 12 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 7 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 132   B) 120   **C)** 108   D) 96

298. 1.3-3 file-» 50 - 119 - - (704044)
To'rtta sonning yig'indisi 300 ga teng. Ulardan dastlabki uchtasi 4, 5 va 13 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 8 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 117   B) 156   C) 143   **D)** 130

299. 1.3-3 file-» 50 - 119 - - (704045)
To'rtta sonning yig'indisi 161 ga teng. Ulardan dastlabki uchtasi 4, 5 va 8 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 6 va 8 sonlariga teskari proporsional. Birinchi sonni toping.

A) 28   B) 24   C) 36   D) 32

300. 1.3-3 file-» 50 - 119 - - (704046)
To'rtta sonning yig'indisi 192 ga teng. Ulardan dastlabki uchtasi 4, 5 va 9 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 6 va 9 sonlariga teskari proporsional. Birinchi sonni toping.

A) 36   **B)** 32   C) 28   D) 40

301. 1.3-3 file-» 50 - 119 - - (704047)
To'rtta sonning yig'indisi 234 ga teng. Ulardan dastlabki uchtasi 4, 5 va 10 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 7 va 10 sonlariga teskari proporsional. Birinchi sonni toping.

A) 44   B) 40   **C)** 36   D) 32

302. 1.3-3 file-» 50 - 119 - - (704048)
To'rtta sonning yig'indisi 270 ga teng. Ulardan dastlabki uchtasi 4, 5 va 11 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 7 va 11 sonlariga teskari proporsional. Birinchi sonni toping.

A) 36   B) 48   C) 44   **D)** 40

303. 1.3-3 file-» 50 - 119 - - (704049)
To'rtta sonning yig'indisi 308 ga teng. Ulardan dastlabki uchtasi 4, 5 va 12 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 7 va 12 sonlariga teskari proporsional. Birinchi sonni toping.

A) 44   B) 40   C) 52   D) 48

304. 1.3-3 file-» 50 - 119 - - (704050)
To'rtta sonning yig'indisi 144 ga teng. Ulardan dastlabki uchtasi 4, 5 va 9 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 6 va 9 sonlariga teskari proporsional. Birinchi sonni toping.

A) 28   **B)** 24   C) 20   D) 32

305. 1.3-3 file-» 50 - 119 - - (704051)
To'rtta sonning yig'indisi 182 ga teng. Ulardan dastlabki uchtasi 4, 5 va 10 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 7 va 10 sonlariga teskari proporsional. Birinchi sonni toping.

A) 36   B) 32   **C)** 28   D) 24

306. 1.3-3 file-» 50 - 119 - - (704052)
To'rtta sonning yig'indisi 216 ga teng. Ulardan dastlabki uchtasi 4, 5 va 11 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 7 va 11 sonlariga teskari proporsional. Birinchi sonni toping.

A) 28   B) 40   C) 36   **D)** 32

307. 1.3-3 file-» 50 - 119 - - (704053)
To'rtta sonning yig'indisi 252 ga teng. Ulardan dastlabki uchtasi 4, 5 va 12 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 7 va 12 sonlariga teskari proporsional. Birinchi sonni toping.

A) 36   B) 32   C) 44   D) 40

308. 1.3-3 file-» 50 - 119 - - (704054)
To'rtta sonning yig'indisi 300 ga teng. Ulardan dastlabki uchtasi 4, 5 va 13 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 8 va 13 sonlariga teskari proporsional. Birinchi sonni toping.

A) 44   **B)** 40   C) 36   D) 48

309.   1.3-3 file-» 50 - 127 - -   (719023)
To'rtta sonning yig'indisi 189 ga teng. Ulardan dastlabki uchtasi 5, 6 va 9 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 7 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 42   B) 36   C) 54   D) 48

310.   1.3-3 file-» 50 - 127 - -   (719024)
To'rtta sonning yig'indisi 224 ga teng. Ulardan dastlabki uchtasi 5, 6 va 10 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 7 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 54   **B)** 48   C) 42   D) 60

311.   1.3-3 file-» 50 - 127 - -   (719025)
To'rtta sonning yig'indisi 270 ga teng. Ulardan dastlabki uchtasi 5, 6 va 11 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 8 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 66   B) 60   **C)** 54   D) 48

312.   1.3-3 file-» 50 - 127 - -   (719026)
To'rtta sonning yig'indisi 310 ga teng. Ulardan dastlabki uchtasi 5, 6 va 12 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 8 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 54   B) 72   C) 66   **D)** 60

313.   1.3-3 file-» 50 - 127 - -   (719027)
To'rtta sonning yig'indisi 352 ga teng. Ulardan dastlabki uchtasi 5, 6 va 13 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 8 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 66   B) 60   C) 78   D) 72

314.   1.3-3 file-» 50 - 127 - -   (719028)
To'rtta sonning yig'indisi 168 ga teng. Ulardan dastlabki uchtasi 5, 6 va 10 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 7 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 42   **B)** 36   C) 30   D) 48

315.   1.3-3 file-» 50 - 127 - -   (719029)
To'rtta sonning yig'indisi 210 ga teng. Ulardan dastlabki uchtasi 5, 6 va 11 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 8 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 54   B) 48   **C)** 42   D) 36

316.   1.3-3 file-» 50 - 127 - -   (719030)
To'rtta sonning yig'indisi 248 ga teng. Ulardan dastlabki uchtasi 5, 6 va 12 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 8 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 42   B) 60   C) 54   **D)** 48

317.   1.3-3 file-» 50 - 127 - -   (719031)
To'rtta sonning yig'indisi 288 ga teng. Ulardan dastlabki uchtasi 5, 6 va 13 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 8 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 54   B) 48   C) 66   D) 60

318.   1.3-3 file-» 50 - 127 - -   (719032)
To'rtta sonning yig'indisi 340 ga teng. Ulardan dastlabki uchtasi 5, 6 va 14 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 9 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.

A) 66   **B)** 60   C) 54   D) 72

319.   1.3-3 file-» 50 - 127 - -   (719033)
To'rtta sonning yig'indisi 189 ga teng. Ulardan dastlabki uchtasi 5, 6 va 9 sonlariga to'g'ri proporsional ikkinchi va to'rtinchi sonlar esa 7 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 81   B) 72   **C)** 63   D) 54

320.   1.3-3 file-» 50 - 127 - -   (719034)
To'rtta sonning yig'indisi 224 ga teng. Ulardan dastlabki uchtasi 5, 6 va 10 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 7 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 70   B) 100   C) 90   **D)** 80

321.   1.3-3 file-» 50 - 127 - -   (719035)
To'rtta sonning yig'indisi 270 ga teng. Ulardan dastlabki uchtasi 5, 6 va 11 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 8 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 99   B) 88   C) 121   D) 110

322.   1.3-3 file-» 50 - 127 - -   (719036)
To'rtta sonning yig'indisi 310 ga teng. Ulardan dastlabki uchtasi 5, 6 va 12 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 8 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 132   **B)** 120   C) 108   D) 144

323. 1.3-3 file-» 50 - 127 - - (719037)
To'rtta sonning yig'indisi 352 ga teng. Ulardan dastlabki uchtasi 5, 6 va 13 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 8 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 169   B) 156   **C)** 143   D) 130

324. 1.3-3 file-» 50 - 127 - - (719038)
To'rtta sonning yig'indisi 168 ga teng. Ulardan dastlabki uchtasi 5, 6 va 10 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 7 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 50   B) 80   C) 70   **D)** 60

325. 1.3-3 file-» 50 - 127 - - (719039)
To'rtta sonning yig'indisi 210 ga teng. Ulardan dastlabki uchtasi 5, 6 va 11 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 8 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 77   B) 66   C) 99   D) 88

326. 1.3-3 file-» 50 - 127 - - (719040)
To'rtta sonning yig'indisi 248 ga teng. Ulardan dastlabki uchtasi 5, 6 va 12 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 8 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 108   **B)** 96   C) 84   D) 120

327. 1.3-3 file-» 50 - 127 - - (719041)
To'rtta sonning yig'indisi 288 ga teng. Ulardan dastlabki uchtasi 5, 6 va 13 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 8 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 143   B) 130   **C)** 117   D) 104

328. 1.3-3 file-» 50 - 127 - - (719042)
To'rtta sonning yig'indisi 340 ga teng. Ulardan dastlabki uchtasi 5, 6 va 14 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 9 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.

A) 126   B) 168   C) 154   **D)** 140

329. 1.3-3 file-» 50 - 127 - - (719043)
To'rtta sonning yig'indisi 189 ga teng. Ulardan dastlabki uchtasi 5, 6 va 9 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 7 va 9 sonlariga teskari proporsional. Birinchi sonni toping.

A) 35   B) 30   C) 45   D) 40

330. 1.3-3 file-» 50 - 127 - - (719044)
To'rtta sonning yig'indisi 224 ga teng. Ulardan dastlabki uchtasi 5, 6 va 10 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 7 va 10 sonlariga teskari proporsional. Birinchi sonni toping.

A) 45   **B)** 40   C) 35   D) 50

331. 1.3-3 file-» 50 - 127 - - (719045)
To'rtta sonning yig'indisi 270 ga teng. Ulardan dastlabki uchtasi 5, 6 va 11 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 8 va 11 sonlariga teskari proporsional. Birinchi sonni toping.

A) 55   B) 50   **C)** 45   D) 40

332. 1.3-3 file-» 50 - 127 - - (719046)
To'rtta sonning yig'indisi 310 ga teng. Ulardan dastlabki uchtasi 5, 6 va 12 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 8 va 12 sonlariga teskari proporsional. Birinchi sonni toping.

A) 45   B) 60   C) 55   **D)** 50

333. 1.3-3 file-» 50 - 127 - - (719047)
To'rtta sonning yig'indisi 352 ga teng. Ulardan dastlabki uchtasi 5, 6 va 13 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 8 va 13 sonlariga teskari proporsional. Birinchi sonni toping.

A) 55   B) 50   C) 65   D) 60

334. 1.3-3 file-» 50 - 127 - - (719048)
To'rtta sonning yig'indisi 168 ga teng. Ulardan dastlabki uchtasi 5, 6 va 10 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 7 va 10 sonlariga teskari proporsional. Birinchi sonni toping.

A) 35   **B)** 30   C) 25   D) 40

335. 1.3-3 file-» 50 - 127 - - (719049)
To'rtta sonning yig'indisi 210 ga teng. Ulardan dastlabki uchtasi 5, 6 va 11 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 8 va 11 sonlariga teskari proporsional. Birinchi sonni toping.

A) 45   B) 40   **C)** 35   D) 30

336. 1.3-3 file-» 50 - 127 - - (719050)
To'rtta sonning yig'indisi 248 ga teng. Ulardan dastlabki uchtasi 5, 6 va 12 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 8 va 12 sonlariga teskari proporsional. Birinchi sonni toping.

A) 35   B) 50   C) 45   **D)** 40

337. 1.3-3 file-» 50 - 127 - - (719051)
To'rtta sonning yig'indisi 288 ga teng. Ulardan dastlabki uchtasi 5, 6 va 13 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 8 va 13 sonlariga teskari proporsional. Birinchi sonni toping.

A) 45 B) 40 C) 55 D) 50

338. 1.3-3 file-» 50 - 127 - - (719052)
To'rtta sonning yig'indisi 340 ga teng. Ulardan dastlabki uchtasi 5, 6 va 14 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 9 va 14 sonlariga teskari proporsional. Birinchi sonni toping.

A) 55 **B)** 50 C) 45 D) 60

339. 1.4-1 file-» 5 - 3 - - (13843)
Биринчи куни иш нормасининг $\frac{2}{5}$ қисми бажарилди. Иккинчи куни биринчи кунда бажарилган ишнинг $\frac{1}{6}$ қисмича кўп иш бажарилди. Шу икки кунда қанча иш нормаси бажарилди?

A) $\frac{13}{15}$ B) $\frac{7}{15}$ C) $\frac{4}{5}$ D) $\frac{11}{15}$

340. 1.4-1 file-» 5 - 4 - - (13898)
Биринчи куни иш нормасининг $\frac{2}{5}$ қисми бажарилди. Иккинчи куни биринчи кунда бажарилган ишнинг $\frac{1}{8}$ қисмича кўп иш бажарилди. Шу икки кунда қанча иш нормаси бажарилди?

A) $\frac{17}{20}$ B) $\frac{9}{20}$ C) $\frac{4}{5}$ D) $\frac{13}{20}$

341. 1.4-1 file-» 5 - 5 - - (13954)
Биринчи куни иш нормасининг $\frac{1}{2}$ қисми бажарилди. Иккинчи куни биринчи кунда бажарилган ишнинг $\frac{1}{6}$ қисмича кўп иш бажарилди. Шу икки кунда қанча иш нормаси бажарилди?

A) 1 B) $\frac{11}{12}$ **C)** $1\frac{1}{12}$ D) $1\frac{1}{6}$

342. 1.4-1 file-» 22 - 2 - - (14214)
$\left(3,5 - 3\frac{1}{3}\right) \cdot 10,4 : 5\frac{1}{5}$ ни ҳисобланг.

A) $\frac{2}{5}$ **B)** $\frac{1}{3}$ C) $\frac{1}{12}$ D) $\frac{3}{7}$

343. 1.4-1 file-» 22 - 2 - - (14215)
$3\frac{1}{3} : 5\frac{5}{7} = 2\frac{4}{5} : x$ пропорциянинг номаълум ҳадини топинг.

A) $\frac{1}{2}$ B) $\frac{2}{3}$ **C)** $4\frac{4}{5}$ D) $\frac{3}{5}$

344. 1.4-1 file-» 22 - 3 - - (14273)
$(11\frac{2}{3} - 7,4) : 5\frac{1}{3} + 1\frac{2}{5}$ ни ҳисобланг.

A) $2\frac{1}{2}$ **B)** $2,2$ C) $3,2$ D) 2

345. 1.4-1 file-» 22 - 3 - - (14274)
$7\frac{1}{2} : 6\frac{2}{5} = 5\frac{5}{8} : x$ пропорциянинг номаълум ҳадини топинг.

A) $4\frac{4}{5}$ B) $3\frac{2}{5}$ C) $5\frac{1}{8}$ D) $4\frac{1}{5}$

346. 1.4-1 file-» 22 - 4 - - (14332)
$6\frac{3}{8} - (2,5 - 2\frac{1}{3}) : 1\frac{1}{3}$ ни ҳисобланг.

A) $5\frac{2}{3}$ B) $5\frac{1}{4}$ C) $4\frac{1}{2}$ **D)** $6\frac{1}{4}$

347. 1.4-1 file-» 22 - 4 - - (14333)
$3\frac{3}{5} : 2\frac{7}{10} = 3\frac{3}{4} : x$ пропорциянинг номаълум ҳадини топинг.

A) $2\frac{13}{16}$ B) $2\frac{3}{10}$ C) $3\frac{1}{3}$ D) $1\frac{15}{16}$

348. 1.4-1 file-» 5 - 10 - - (36061)
Ғилдирак $6\frac{2}{9}$ минутда $11\frac{1}{5}$ марта айланади. У 1 минутда неча марта айланади?

A) $1\frac{4}{5}$ B) 1 C) $1\frac{3}{5}$ D) $1\frac{2}{5}$

349. 1.4-1 file-» 5 - 7 - - (36117)
Чумоли 5 минутда $18\frac{1}{3}$ м юради. У 1 минутда неча метр юради?

A) $3\frac{5}{6}$ **B)** $3\frac{2}{3}$ C) $3\frac{1}{6}$ D) $3\frac{1}{3}$

350. 1.4-1 file-» 22 - 11 - - (36173)
$\frac{84}{95} \cdot 1\frac{3}{14} : 1\frac{1}{5} : 4 \cdot 4\frac{3}{4}$ ни ҳисобланг.

A) $1\frac{1}{16}$ B) $1\frac{3}{8}$ C) $2\frac{1}{8}$ D) $1\frac{5}{7}$

351. 1.4-1 file-» 22 - 12 - - (36233)
$2\frac{16}{17} \cdot 3\frac{2}{5} : \frac{11}{12} \cdot 2\frac{1}{5} : 2\frac{2}{3}$ ни ҳисобланг.

A) 9 B) $24\frac{3}{17}$ C) 27 D) $29\frac{1}{9}$

352. 1.4-1 file-» 22 - 13 - - (36290)

$(\frac{5}{9} - 1\frac{1}{6} \cdot \frac{1}{2}) : \frac{5}{9} + \frac{17}{60}$ ни ҳисобланг.

A) $\frac{3}{20}$ B) $\frac{17}{60}$ **C) $\frac{7}{30}$**   D) $\frac{37}{60}$

353. 1.4-1 file-» 22 - 14 - - (36339)

$8\frac{3}{4} + \frac{5}{12} : \left(\frac{1}{3} \cdot 2\frac{1}{2} - \frac{7}{8}\right)$ ни ҳисобланг.

A) $-6\frac{3}{4}$ **B) $-1\frac{1}{4}$**   C) $9\frac{1}{4}$ D) $-8\frac{3}{4}$

354. 1.4-1 file-» 22 - 15 - - (36389)

$(2\frac{17}{36} - 4\frac{7}{12}) : \frac{2}{9} - \frac{3}{26} \cdot 4\frac{1}{3}$ ни ҳисобланг.

A) -9 B) $8\frac{1}{2}$ C) 9 **D) -10**

355. 1.4-1 file-» 23 - 2 - - (36436)

$-1\frac{3}{4} \cdot 6, 5 \cdot (-\frac{4}{7}) - 9, 25$ ни ҳисобланг.

A) $-2, 75$ B) $-10, 25$ C) $2, 75$ D) $3, 75$

356. 1.4-1 file-» 23 - 2 - - (36442)

Ҳаракат бошлангандан 0,6 соат ўтгач, мотоциклчи велосипедчини қувиб етди. Мотоциклчининг тезлиги 42, велосипедчиники 12 км/соат бўлса, ҳаракат бошланишидан олдин улар орасидаги масофа қанча (км) бўлган?

A) 24 **B) 18**   C) 27 D) 16

357. 1.4-1 file-» 23 - 3 - - (36496)

$5, 8 - \frac{3}{7} \cdot 2, 2 \cdot (-2\frac{1}{3})$ ни ҳисобланг.

A) 6 B) -8 **C) 8**   D) $-3, 6$

358. 1.4-1 file-» 23 - 4 - - (36555)

$-\frac{8}{9} \cdot 18, 75 \cdot 1\frac{1}{8} - (-4, 25)$ ни ҳисобланг.

A) -8 **B) $-14, 5$**   C) -10 D) $14, 5$

359. 1.4-1 file-» 23 - 4 - - (36560)

Мотоциклчи ва велосипедчи бир томонга қараб ҳаракат қилишмоқда. Велосипедчининг тезлиги 12 км/соат, мотоциклчиники 30 км/соат ва улар орасидаги масофа 72 км бўлса, неча соатдан кейин мотоциклчи велосипедчини қувиб етади?

A) 3 **B) 4**   C) $3, 5$ D) $2, 5$

360. 1.4-1 file-» 22 - 1 - - (36734)

$\frac{15}{56} \cdot 1\frac{1}{7} : \frac{2}{15} \cdot 24\frac{1}{2} : 7\frac{1}{2}$ ни ҳисобланг.

A) $10\frac{1}{2}$ B) 11 C) 21 **D) $7\frac{1}{2}$**

361. 1.4-1 file-» 6 - 7 - - (56410)

$6\frac{2}{3} \cdot 2\frac{1}{4} \cdot (-\frac{1}{2}) \cdot \frac{2}{5}$ ни ҳисобланг.

A) 3 **B) -3**   C) $2, 5$ D) $-2, 5$

362. 1.4-1 file-» 6 - 8 - - (56470)

$2\frac{2}{3} : 1\frac{1}{7} \cdot 3\frac{3}{7} \cdot (-\frac{1}{2})$ ни ҳисобланг.

A) -4   B) 3 C) -2 D) $\frac{2}{7}$

363. 1.4-1 file-» 13 - 3 - - (56581)

$(1992\frac{3}{5} - 1990\frac{2}{3}) \cdot 1\frac{1}{29}$ ни ҳисобланг.

A) 4 B) $\frac{14}{435}$ **C) 2**   D) $2\frac{2}{29}$

364. 1.4-1 file-» 13 - 4 - - (56633)

$\dfrac{0, 202 - 0, 004}{\frac{8}{9} \cdot 81 \cdot 0, 125}$ ни ҳисобланг.

A) $0, 099$ B) $0, 99$ C) $0, 0099$ **D) $0, 022$**

365. 1.4-1 file-» 13 - 4 - - (56637)

$(1997\frac{1}{5} - 1996\frac{1}{6}) \cdot 1\frac{29}{31}$ ни ҳисобланг.

A) $2\frac{29}{31}$ B) $2\frac{28}{29}$ **C) 2**   D) $3\frac{1}{29}$

366. 1.4-1 file-» 22 - 17 - - (56965)

$\frac{26}{15} + 2 \cdot (0, 63 : 0, 6 - 1, 6)$ ни ҳисобланг.

A) $\frac{19}{30}$ B) $-1\frac{1}{6}$ C) $-\frac{4}{15}$ D) $-1\frac{4}{15}$

367. 1.4-1 file-» 22 - 18 - - (57025)

$(0, 98 - 0, 312 : 0, 3) \cdot 25 + \frac{1}{9}$ ни ҳисобланг.

A) $-1\frac{5}{18}$ B) $-14\frac{8}{9}$ C) $-10\frac{7}{18}$ **D) $-1\frac{7}{18}$**

368. 1.4-1 file-» 5 - 12 - - 10 (96109)

Тико автомашинасида 100 км йўлни ўтиш учун 5,8 л ёнилғи сарфланади. 10,15 л ёнилғи билан бу автомашинада неча км йўл юриш мумкин?

A) 160 **B) 175**   C) 150 D) 200

369. 1.4-1 file-» 5 - 12 - - 10 (96112)

Бир комбайнчи буғдойзорнинг $\frac{2}{9}$ қисмидаги буғдойни, иккинчиси $\frac{4}{9}$ қисмидаги буғдойни ўриб олди. Буғдойзорнинг қанча қисми ўрилмай қолди?

A) $\frac{2}{9}$ B) $\frac{1}{9}$ **C) $\frac{1}{3}$**   D) $\frac{4}{9}$

370.   1.4-1 file-» 5 - 3 - -   (315071)

Birinchi kuni ish normasining $\frac{2}{5}$ qismi bajarildi.

Ikkinchi kuni birinchi kunda bajarilgan ishning $\frac{1}{6}$ qismicha ko'p ish bajarildi. Shu ikki kunda qancha ish normasi bajarildi?

A) $\frac{13}{15}$ B) $\frac{7}{15}$ C) $\frac{4}{5}$ D) $\frac{11}{15}$

371.   1.4-1 file-» 5 - 4 - -   (315072)

Birinchi kuni ish normasining $\frac{2}{5}$ qismi bajarildi.

Ikkinchi kuni birinchi kunda bajarilgan ishning $\frac{1}{8}$ qismicha ko'p ish bajarildi. Shu ikki kunda qancha ish normasi bajarildi?

A) $\frac{17}{20}$ B) $\frac{9}{20}$ C) $\frac{4}{5}$ D) $\frac{13}{20}$

372.   1.4-1 file-» 5 - 5 - -   (315073)

Birinchi kuni ish normasining $\frac{1}{2}$ qismi bajarildi.

Ikkinchi kuni birinchi kunda bajarilgan ishning $\frac{1}{6}$ qismicha ko'p ish bajarildi. Shu ikki kunda qancha ish normasi bajarildi?

A) 1   B) $\frac{11}{12}$ **C)** $1\frac{1}{12}$ D) $1\frac{1}{6}$

373.   1.4-1 file-» 22 - 2 - -   (315074)

$\left(3,5 - 3\frac{1}{3}\right) \cdot 10,4 : 5\frac{1}{5}$ ni hisoblang.

A) $\frac{2}{5}$ **B)** $\frac{1}{3}$ C) $\frac{1}{12}$ D) $\frac{3}{7}$

374.   1.4-1 file-» 22 - 2 - -   (315075)

$3\frac{1}{3} : 5\frac{5}{7} = 2\frac{4}{5} : x$ proporsiyaning noma'lum hadini toping.

A) $\frac{1}{2}$ B) $\frac{2}{3}$ **C)** $4\frac{4}{5}$ D) $\frac{3}{5}$

375.   1.4-1 file-» 22 - 3 - -   (315076)

$(11\frac{2}{3} - 7,4) : 5\frac{1}{3} + 1\frac{2}{5}$ ni hisoblang.

A) $2\frac{1}{2}$ **B)** $2,2$ C) $3,2$ D) 2

376.   1.4-1 file-» 22 - 3 - -   (315077)

$7\frac{1}{2} : 6\frac{2}{5} = 5\frac{5}{8} : x$ proporsiyaning noma'lum hadini toping.

A) $4\frac{4}{5}$ B) $3\frac{2}{5}$ C) $5\frac{1}{8}$ D) $4\frac{1}{5}$

377.   1.4-1 file-» 22 - 4 - -   (315078)

$6\frac{3}{8} - (2,5 - 2\frac{1}{3}) : 1\frac{1}{3}$ ni hisoblang.

A) $5\frac{2}{3}$ B) $5\frac{1}{4}$ C) $4\frac{1}{2}$ **D)** $6\frac{1}{4}$

378.   1.4-1 file-» 22 - 4 - -   (315079)

$3\frac{3}{5} : 2\frac{7}{10} = 3\frac{3}{4} : x$ proporsiyaning noma'lum hadini toping.

A) $2\frac{13}{16}$ B) $2\frac{3}{10}$ C) $3\frac{1}{3}$ D) $1\frac{15}{16}$

379.   1.4-1 file-» 5 - 10 - -   (315080)

G'ildirak $6\frac{2}{9}$ minutda $11\frac{1}{5}$ marta aylanadi. U 1 minutda necha marta aylanadi?

A) $1\frac{4}{5}$ B) 1 C) $1\frac{3}{5}$ D) $1\frac{2}{5}$

380.   1.4-1 file-» 5 - 7 - -   (315081)

Chumoli 5 minutda $18\frac{1}{3}$ m yuradi. U 1 minutda necha metr yuradi?

A) $3\frac{5}{6}$ **B)** $3\frac{2}{3}$ C) $3\frac{1}{6}$ D) $3\frac{1}{3}$

381.   1.4-1 file-» 22 - 11 - -   (315082)

$\frac{84}{95} \cdot 1\frac{3}{14} : 1\frac{1}{5} : 4 \cdot 4\frac{3}{4}$ ni hisoblang.

A) $1\frac{1}{16}$ B) $1\frac{3}{8}$ C) $2\frac{1}{8}$ D) $1\frac{5}{7}$

382.   1.4-1 file-» 22 - 12 - -   (315083)

$2\frac{16}{17} \cdot 3\frac{2}{5} : \frac{11}{12} \cdot 2\frac{1}{5} : 2\frac{2}{3}$ ni hisoblang.

A) 9 B) $24\frac{3}{17}$ C) 27 D) $29\frac{1}{9}$

383.   1.4-1 file-» 22 - 13 - -   (315084)

$(\frac{5}{9} - 1\frac{1}{6} \cdot \frac{1}{2}) : \frac{5}{9} + \frac{17}{60}$ ni hisoblang.

A) $\frac{3}{20}$ B) $\frac{17}{60}$ **C)** $\frac{7}{30}$ D) $\frac{37}{60}$

384.   1.4-1 file-» 22 - 14 - -   (315085)

$8\frac{3}{4} + \frac{5}{12} : \left(\frac{1}{3} \cdot 2\frac{1}{2} - \frac{7}{8}\right)$ ni hisoblang.

A) $-6\frac{3}{4}$ **B)** $-1\frac{1}{4}$ C) $9\frac{1}{4}$ D) $-8\frac{3}{4}$

385.   1.4-1 file-» 22 - 15 - -   (315086)

$(2\frac{17}{36} - 4\frac{7}{12}) : \frac{2}{9} - \frac{3}{26} \cdot 4\frac{1}{3}$ ni hisoblang.

A) -9 B) $8\frac{1}{2}$ C) 9 **D)** -10

386.   1.4-1 file-» 23 - 2 - -   (315087)

$-1\dfrac{3}{4} \cdot 6,5 \cdot (-\dfrac{4}{7}) - 9,25$ ni hisoblang.

A) $-2,75$ B) $-10,25$ C) $2,75$ D) $3,75$

387.   1.4-1 file-» 23 - 2 - -   (315088)

Harakat boshlangandan 0,6 soat o‘tgach, mototsiklchi velosipedchini quvib yetdi. Mototsiklchining tezligi 42, velosipedchiniki 12 km/soat bo‘lsa, harakat boshlanishidan oldin ular orasidagi masofa qancha (km) bo‘lgan?

A) 24   **B)** 18   C) 27   D) 16

388.   1.4-1 file-» 23 - 3 - -   (315089)

$5,8 - \dfrac{3}{7} \cdot 2,2 \cdot (-2\dfrac{1}{3})$ ni hisoblang.

A) 6   B) -8 **C)** 8   D) $-3,6$

389.   1.4-1 file-» 23 - 4 - -   (315090)

$-\dfrac{8}{9} \cdot 18,75 \cdot 1\dfrac{1}{8} - (-4,25)$ ni hisoblang.

A) -8 **B)** $-14,5$ C) -10 D) $14,5$

390.   1.4-1 file-» 23 - 4 - -   (315091)

Mototsiklchi va velosipedchi bir tomonga qarab harakat qilishmoqda. Velosipedchining tezligi 12 km/soat, mototsiklchiniki 30 km/soat va ular orasidagi masofa 72 km bo‘lsa, necha soatdan keyin mototsiklchi velosipedchini quvib yetadi?

A) 3   **B)** 4   C) $3,5$ D) $2,5$

391.   1.4-1 file-» 22 - 1 - -   (315092)

$\dfrac{15}{56} \cdot 1\dfrac{1}{7} : \dfrac{2}{15} \cdot 24\dfrac{1}{2} : 7\dfrac{1}{2}$ ni hisoblang.

A) $10\dfrac{1}{2}$ B) 11   C) 21   **D)** $7\dfrac{1}{2}$

392.   1.4-1 file-» 6 - 7 - -   (315093)

$6\dfrac{2}{3} \cdot 2\dfrac{1}{4} \cdot (-\dfrac{1}{2}) \cdot \dfrac{2}{5}$ ni hisoblang.

A) 3   **B)** -3 C) $2,5$ D) $-2,5$

393.   1.4-1 file-» 6 - 8 - -   (315094)

$2\dfrac{2}{3} : 1\dfrac{1}{7} \cdot 3\dfrac{3}{7} \cdot (-\dfrac{1}{2})$ ni hisoblang.

A) -4 B) 3   C) -2 D) $\dfrac{2}{7}$

394.   1.4-1 file-» 13 - 3 - -   (315095)

$(1992\dfrac{3}{5} - 1990\dfrac{2}{3}) \cdot 1\dfrac{1}{29}$ ni hisoblang.

A) 4   B) $\dfrac{14}{435}$ **C)** 2   D) $2\dfrac{2}{29}$

395.   1.4-1 file-» 13 - 4 - -   (315096)

$\dfrac{0,202 - 0,004}{\dfrac{8}{9} \cdot 81 \cdot 0,125}$ ni hisoblang.

A) $0,099$ B) $0,99$ C) $0,0099$ **D)** $0,022$

396.   1.4-1 file-» 13 - 4 - -   (315097)

$(1997\dfrac{1}{5} - 1996\dfrac{1}{6}) \cdot 1\dfrac{29}{31}$ ni hisoblang.

A) $2\dfrac{29}{31}$ B) $2\dfrac{28}{29}$ **C)** 2   D) $3\dfrac{1}{29}$

397.   1.4-1 file-» 22 - 17 - -   (315098)

$\dfrac{26}{15} + 2 \cdot (0,63 : 0,6 - 1,6)$ ni hisoblang.

A) $\dfrac{19}{30}$ B) $-1\dfrac{1}{6}$ C) $-\dfrac{4}{15}$ D) $-1\dfrac{4}{15}$

398.   1.4-1 file-» 22 - 18 - -   (315099)

$(0,98 - 0,312 : 0,3) \cdot 25 + \dfrac{1}{9}$ ni hisoblang.

A) $-1\dfrac{5}{18}$ B) $-14\dfrac{8}{9}$ C) $-10\dfrac{7}{18}$

D) $-1\dfrac{7}{18}$

399.   1.4-1 file-» 5 - 12 - - 10   (315100)

Tiko avtomashinasida 100 km yo‘lni o‘tish uchun 5,8 l yonilg‘i sarflanadi. 10,15 l yonilg‘i bilan bu avtomashinada necha km yo‘l yurish mumkin?

A) 160   **B)** 175   C) 150   D) 200

400.   1.4-1 file-» 5 - 12 - - 10   (315101)

Bir kombaynchi bug‘doyzorning

$\dfrac{2}{9}$ qismidagi bug‘doyni, ikkinchisi

$\dfrac{4}{9}$ qismidagi bug‘doyni o‘rib oldi. Bug‘doyzorning qancha qismi o‘rilmay qoldi?

A) $\dfrac{2}{9}$ B) $\dfrac{1}{9}$ **C)** $\dfrac{1}{3}$ D) $\dfrac{4}{9}$

401.   1.4-1 file-» 22 - 14 - -   (401621)

$\dfrac{2,15 - 1,6 \cdot 2,15}{3,45 - 3\dfrac{3}{20}}$ ni hisoblang.

A) $-0,43$ B) $0,43$ C) $4,3$ **D)** $-4,3$

402.   1.4-1 file-» 22 - 15 - -   (401622)

$\dfrac{0,64 \cdot 4,5 - 4,5}{1,05 - \dfrac{3}{5}}$ ni hisoblang.

A) $-3,6$ B) $0,36$ C) $-4,8$ D) $-0,36$

403.   1.4-1 file-» 22 - 17 - -   (401623)

$a = 2,(4); b = 2,5 - \dfrac{1}{8}$ va $c = 1,2 : 0,5$ sonlarini kamayish tartibida joylashtiring.

A) $a > b > c$ **B)** $a > c > b$ C) $b > a > c$
D) $c > a > b$

404. 1.4-1 file-» 22 - 18 - - (401624)

$a = 3,(6); b = 3,91 - \dfrac{1}{4}$ va $c = 4,68 : 1,3$ sonlarni o'sish tartibida joylashtiring.

A) $b < a < c$ B) $a < c < b$ **C)** $c < b < a$
D) $a < b < c$

405. 1.4-1 file-» 23 - 5 - - (401625)

$\dfrac{2,1}{(4\frac{2}{5} \cdot 6\frac{1}{3} - 5\frac{19}{21} \cdot 4,4) \cdot \frac{5}{22}}$ ni hisoblang.

A) $0,45$ B) $4,5$ C) $4,2$ **D)** $4,9$

406. 1.4-1 file-» 23 - 9 - - (401626)

$(4\frac{5}{8} \cdot 4\frac{1}{5} \cdot \frac{8}{37} - 3\frac{3}{5})^{-1}$ ni hisoblang.

A) $1\dfrac{3}{5}$ B) $1\dfrac{2}{5}$ C) $1\dfrac{3}{4}$ **D)** $1\dfrac{2}{3}$

407. 1.4-1 file-» 23 - 16 - - 1 (401627)

$\dfrac{\frac{5}{11} \cdot 0,006 \cdot 2\frac{1}{5} + 1\frac{1}{8} \cdot 1,004 \cdot \frac{8}{9}}{25 \cdot 0,0009 + 0,0001 \cdot 25}$ ni hisoblang.

A) 40 B) $0,4$ C) 20 **D)** $40,4$

408. 1.4-1 file-» 23 - 19 - - 2 (401628)

$\dfrac{400 - 21,5 \cdot 18,5}{1,5 \cdot 1\frac{1}{10} + 3,4 \cdot 1\frac{1}{2}}$ ni hisoblang.

A) $\dfrac{3}{10}$ **B)** $\dfrac{1}{3}$ C) $\dfrac{3}{7}$ D) $\dfrac{5}{7}$

409. 1.4-1 file-» 23 - 19 - - 2 (401629)

Bir ishchi buyurtmani 6 soatda, boshqasi esa 10 soatda bajaradi (tugatadi). Ular birgalikda 3 soat ishlaganlaridan keyin ishning qancha qismi bajarilmay qolgan bo'ladi?

A) $\dfrac{1}{4}$ B) $\dfrac{1}{3}$ **C)** $\dfrac{1}{5}$ D) $\dfrac{2}{5}$

410. 1.4-1 file-» 2 - 42 - - 5 (401630)

7 ta sonning o'rta arifmetigi 13 ga teng. Bu sonlarga qaysi son qo'shilsa, ularning o'rta arifmetigi 18 bo'ladi?

A) 53 B) 50 C) 45 D) 56

411. 1.4-1 file-» 34 - 1 - - 7 (401631)

$\left(3\frac{3}{8}\right)^{-\frac{2}{3}} + 27^{\frac{2}{3}} \cdot 9^{0,5} \cdot 3^{-2} +$

$+ \left(\left(\frac{7}{9}\right)^3\right)^0 - \left(-\frac{1}{2}\right)^{-2}$ ni hisoblang.

A) $\dfrac{4}{9}$ B) $\dfrac{8}{9}$ C) 1 D) 0

412. 1.4-1 file-» 37 - 2 - - 4 (401632)

Avtomobil butun yo'lning $\dfrac{3}{7}$ qismini 1 soatda, qolgan qismini 2 soatda bosib o'tdi. Uning birinchi tezligi ikkinchi tezligidan necha marta katta?

A) $\dfrac{2}{3}$ **B)** $\dfrac{3}{2}$ C) $\dfrac{9}{8}$ D) $\dfrac{8}{9}$

413. 1.4-1 file-» 19 - 8 - - 5 (401633)

Sement va qumdan iborat 30 kg qorishmaning 60% ini sement tashkil etadi. Qorishmaning 40% i sementdan iborat bo'lishi uchun qorishmaga qancha qum qo'shish kerak?

A) 10 B) 12 **C)** 15 D) 18

414. 1.4-1 file-» 16 - 12 - - 9 (401634)

y minutda x (mm) yomg'ir yog'adi. 2,5 soatda necha mm yomg'ir yog'adi?

A) $\dfrac{x}{150y}$ B) $\dfrac{xy}{150}$ **C)** $\dfrac{150x}{y}$ D) $\dfrac{150y}{x}$

415. 1.4-1 file-» 2 - 43 - - 7 (401635)

Sinfdagi qizlar sonining o'g'il bolalar soniga nisbati $\dfrac{5}{7}$ bo'lsa, sinfdagi jami o'quvchilar soni quyidagilarning qaysi biriga teng bo'lishi mumkin?

A) 36 B) 34 C) 32 D) 30

416. 1.4-2 file-» 22 - 13 - - 1 (704055)

$\dfrac{0,075 - 0,075 \cdot 6,4}{0,175 - \frac{39}{200}}$ ni hisoblang.

A) $4,05$ B) $40,5$ **C)** $20,25$ D) $20,1$

417. 1.4-2 file-» 23 - 2 - - 1 (704056)

Agar $x < z < y$ bo'lsa, $|x - y| - |z - y| - |z - x|$ ni soddalashtiring.

A) 0 B) $2y - 2x$ C) $2z - 2y$ D) $2y - 2z$

418. 1.4-2 file-» 23 - 3 - - 1 (704057)

Agar $0 < q < p < k$ bo'lsa, $|p + q| + |k - q| - |k - p|$ ni soddalashtiring.

A) $2p$ B) $2p + 2q - 2k$ C) $2q$
D) $2p + 2k$

419. 1.4-2 file-» 23 - 4 - - 1 (704058)

Agar $0 < k < m < n$ bo'lsa, $|n - m| - |n + k| - |m - k|$ ni soddalashtiring.

A) $-2n$ B) $2k - 2n$ **C)** $-2m$
D) $2m - 2k$

420. 1.4-2 file-» 12 - 1 - - 1 (704059)

12 va 312 sonlarning umumiy bo'luvchilari nechta?

A) 2 B) 4 C) 3 **D)** 6

421. 1.4-2 file-» 15 - 1 - - 1   (704060)
O'zaro teskari sonlarni aniqlang:
1) $\dfrac{\sqrt{7}}{2}$ va $\dfrac{2\sqrt{7}}{7}$;2) $\sqrt{6}-\sqrt{5}$ va $\sqrt{6}+\sqrt{5}$;
3) $\dfrac{2\sqrt{5}}{9}$ va $\dfrac{9\sqrt{5}}{10}$ 4) $\sqrt{3}-1$ va $\sqrt{3}+1$;.
A) *hammasi*   B) $2;3;4$ C) $1;3;4$
D) $1;2;3$

422. 1.4-2 file-» 15 - 2 - - 1   (704061)
O'zaro teskari sonlarni aniqlang:
1) $3-\sqrt{2}$ va $3+\sqrt{2}$;
2) $\dfrac{\sqrt{5}}{3}$ va $\dfrac{3\sqrt{5}}{5}$;
3) $\dfrac{2\sqrt{3}}{5}$ va $\dfrac{5\sqrt{3}}{6}$;
4) $\sqrt{2}+1$ va $\sqrt{2}-1$.
A) $1;3;4$ B) $1;2;3$ **C)** $2;3;4$ D) $1;3$

423. 1.4-2 file-» 23 - 5 - - 1   (704062)
18 va 8 sonlari eng kichik umumiy karralisining natural bo'luvchilari nechta?
A) 12 B) 7 C) 8 D) 9

424. 1.4-2 file-» 23 - 6 - - 1   (704063)
25 va 15 sonlari eng kichik umumiy karralisining natural bo'luvchilari nechta?
A) 5 B) 4 **C)** 6 D) 7

425. 1.4-2 file-» 19 - 1 - - 1   (704064)
Proporsiyaning dastlabki uchta hadi yig'indisi 78 ga teng. Uning ikkinchi hadi birinchi hadining $\dfrac{1}{2}$ qismini, uchinchi hadi esa- $\dfrac{2}{3}$ qismini tashkil etadi. Proporsiyaning uchinchi hadini toping.
A) 12 B) 18 C) 36 **D)** 24

426. 1.4-2 file-» 22 - 19 - - 1   (704065)
$5\dfrac{1}{4}\cdot 6\dfrac{3}{4}-4\dfrac{5}{8}\cdot 5\dfrac{3}{8}$ ni hisoblang.
A) $10\dfrac{19}{64}$ B) $11\dfrac{27}{64}$ C) $11\dfrac{9}{64}$ **D)** $10\dfrac{37}{64}$

427. 1.4-2 file-» 16 - 6 - - 1   (704066)
$\dfrac{19,5:4\dfrac{1}{2}+3\dfrac{1}{3}\cdot 1,9}{\dfrac{62}{75}-0,16}$ ni hisoblang.
A) $4\dfrac{1}{2}$ **B)** 16 C) $7,45$ D) 12

428. 1.4-2 file-» 23 - 17 - - 1   (704067)
842 sonining o'ng tomoniga qanday raqam yozilsa, hosil bo'lgan son 36 ga qoldiqsiz bo'linadi?
A) 4 B) 2 C) 6 D) 8

429. 1.4-2 file-» 23 - 17 - - 1   (704068)
9; 10; 15 va 27 sonlaridan nechta o'zaro tub sonlar jufti hosil qilish mumkin?
A) 4 B) 3 **C)** 2 D) 6

430. 1.4-2 file-» 22 - 21 - - 1   (704069)
$5\dfrac{4}{19}\cdot 3\dfrac{4}{7}+1\dfrac{15}{19}:\dfrac{7}{25}-2\dfrac{1}{3}$ ni hisoblang.
A) $23\dfrac{2}{3}$ B) $23\dfrac{1}{3}$ **C)** $22\dfrac{2}{3}$ D) $24\dfrac{1}{3}$

431. 1.4-2 file-» 22 - 12 - - 2   (719053)
$(12\dfrac{1}{9}-10\dfrac{2}{5}):38\dfrac{1}{2}+24\dfrac{1}{45}$ ni hisoblang.
A) $24\dfrac{1}{15}$ B) $32\dfrac{7}{45}$ C) $24\dfrac{1}{9}$ D) 47

432. 1.4-2 file-» 22 - 14 - - 2   (719054)
$\dfrac{2,15-1,6\cdot 2,15}{3,45-3\dfrac{3}{20}}$ ni hisoblang.
A) $-0,43$ B) $0,43$ C) $4,3$ **D)** $-4,3$

433. 1.4-2 file-» 22 - 15 - - 2   (719055)
$\dfrac{0,64\cdot 4,5-4,5}{1,05-\dfrac{3}{5}}$ ni hisoblang.
A) $-3,6$ B) $0,36$ C) $-4,8$ D) $-0,36$

434. 1.4-2 file-» 22 - 18 - - 2   (719056)
$\dfrac{1}{16}\cdot(0,312:0,3-1\dfrac{1}{25})+\dfrac{3}{16}$ ni hisoblang.
A) $\dfrac{1}{4}$ **B)** $\dfrac{3}{16}$ C) $-\dfrac{1}{16}$ D) $-\dfrac{1}{8}$

435. 1.4-2 file-» 23 - 5 - - 2   (719057)
$\dfrac{2,1}{(4\dfrac{2}{5}\cdot 6\dfrac{1}{3}-5\dfrac{19}{21}\cdot 4,4)\cdot\dfrac{5}{22}}$ ni hisoblang.
A) $0,45$ B) $4,5$ C) $4,2$ **D)** $4,9$

436. 1.4-2 file-» 23 - 6 - - 2   (719058)
$\dfrac{\dfrac{5}{19}(3\dfrac{4}{5}\cdot 5\dfrac{1}{3}+6\dfrac{4}{15}\cdot 3,8)}{0,005}$ ni hisoblang.
A) 2320 B) 1800 C) 2120 D) 2000

437. 1.4-2 file-» 23 - 15 - - 2   (719059)
$\dfrac{8,45+\dfrac{13}{17}\cdot 0,15\cdot 1\dfrac{4}{13}\cdot 6\dfrac{2}{3}}{0,2\cdot 4,3+0,19}$ ni hisoblang.
A) 10 B) 8 C) 12 **D)** 9

438. 1.4-2 file-» 22 - 19 - - 2   (719060)
$2,8\cdot(2\dfrac{1}{3}:2,8-1)+3\dfrac{4}{15}$ ni hisoblang.
A) $2\dfrac{4}{5}$ B) $2\dfrac{2}{3}$ C) $2\dfrac{1}{3}$ D) $2,8$

439. 1.4-2 file-» 22 - 19 - - 2 (719061)

$7\frac{5}{13} \cdot 2 - 1\frac{2}{5} \cdot 6 + 4 \cdot 2\frac{4}{13} - 2 \cdot 1\frac{2}{5}$ ni hisoblang.

A) $11\frac{2}{5}$ B) 12   **C)** $12\frac{4}{5}$ D) $11\frac{8}{13}$

440. 1.4-2 file-» 23 - 16 - - 2 (719062)

$\dfrac{\frac{5}{11} \cdot 0,006 \cdot 2\frac{1}{5} + 1\frac{1}{8} \cdot 1,004 \cdot \frac{8}{9}}{25 \cdot 0,0009 + 0,0001 \cdot 25}$ ni hisoblang.

A) 40   B) 0,4   C) 20   **D)** 40,4

441. 1.4-2 file-» 23 - 19 - - 2 (719063)

$\dfrac{400 - 21,5 \cdot 18,5}{1,5 \cdot 1\frac{1}{10} + 3,4 \cdot 1\frac{1}{2}}$ ni hisoblang.

A) $\frac{3}{10}$ **B)** $\frac{1}{3}$ C) $\frac{3}{7}$ D) $\frac{5}{7}$

442. 1.4-2 file-» 5 - 13 - - 2 (719064)

Detal 1:5 masshtabdagi chizmada 2,1 sm uzunlikka ega. Shu detal 1:3,5 masshtabdagi chizmada qancha (sm) uzunlikka ega bo'ladi?

A) 3   B) $2\frac{1}{3}$ C) $\frac{3}{5}$ D) 3,1

443. 1.4-2 file-» 22 - 23 - - 2 (719065)

$3\frac{1}{5} \cdot (2\frac{1}{3} : 3,2 - 3) + 7,6$ ning qiymatini toping.

A) $1\frac{2}{3}$ B) $2\frac{1}{3}$ C) $1\frac{1}{3}$ **D)** $\frac{1}{3}$

444. 1.4-2 file-» 22 - 25 - - 2 (719066)

$\left(6\frac{1}{2} - 8\frac{3}{4}\right) : \frac{1}{8} + 12\frac{4}{7}$ ni hisoblang.

A) $-7\frac{3}{7}$ B) $6\frac{3}{7}$ **C)** $-5\frac{3}{7}$ D) $-7\frac{5}{7}$

445. 1.4-2 file-» 22 - 25 - - 2 (719067)

$10 - 2\frac{1}{2} : 3\frac{3}{4} + \left(2\frac{1}{2} - 1\frac{4}{9}\right) \cdot 3$ ni hisoblang.

A) $12\frac{1}{2}$ B) 9   C) $15\frac{2}{3}$ D) $16\frac{1}{3}$

446. 2.1-1 file-» 22 - 15 - - (36399)

$25 - (8a - 3)^2$ ни кўпайтувчиларга ажратинг.

A) $(8a+2)(8a-8)$ B) $(8a-2)(8+8a)$
C) $(8a+2)(8-8a)$ D) $(8a-2)(8-8a)$

447. 2.1-1 file-» 28 - 1 - - (36619)

Агар $ab = 9$ ва $3b = 8,1c$ бўлса, ac ни ҳисобланг.

A) $3\frac{1}{3}$ B) $2\frac{5}{8}$ C) $2\frac{4}{9}$ D) $2\frac{1}{2}$

448. 2.1-1 file-» 28 - 2 - - (36677)

$a = 4b$ ва $c + 12b = 0$ $(b \neq 0)$ бўлса, $\frac{a}{c}$ ни топинг.

A) $-\frac{1}{3}$ B) $-\frac{1}{4}$ C) 3   D) -4

449. 2.1-1 file-» 22 - 1 - - (36733)

$2\frac{1}{3} \cdot (\frac{6}{7}m - 3) - 1\frac{2}{3} \cdot (\frac{6}{5}m - 6)$ ни соддалаштиринг.

A) $m - 2$ B) 4   C) $m + 3$ **D)** 3

450. 2.1-1 file-» 13 - 3 - - (56582)

$\dfrac{\sqrt{32} + \sqrt{98} - \sqrt{50}}{\sqrt{72}} : \dfrac{1}{\sqrt{2}}$ ни ҳисобланг.

A) 2   B) 1   **C)** $\sqrt{2}$ D) $2\sqrt{2}$

451. 2.1-1 file-» 13 - 4 - - (56638)

$\dfrac{\sqrt[3]{-24} + \sqrt[3]{81} + \sqrt[3]{192} + 3\sqrt[3]{-375}}{\sqrt[3]{-375}} - 1$ ни ҳисобланг.

A) -1 **B)** 1   C) 3   D) 0

452. 2.1-1 file-» 22 - 17 - - (56966)

$a(b-c) - b(c-a) - c(a-b)$ ни соддалаштиринг.

A) $-2ac$ **B)** $2ab - 2ac$ C) 0   D) $2ab - 2bc$

453. 2.1-1 file-» 22 - 18 - - (57026)

$a(b+c-bc) - b(c+a-ac) - c(b+a)$ ни соддалаштиринг.

A) $-2abc$ B) $2ac - 2bc$ **C)** $-2bc$
D) $ab - ac$

454. 2.1-1 file-» 23 - 5 - - (57080)

$\dfrac{x^3 - 8}{x^2 + 2x + 4} - \dfrac{x^3 + 8}{x^2 - 2x + 4}$ ни соддалаштиринг.

A) -4 B) $4x$ C) $-2x$ D) 0

455. 2.1-1 file-» 23 - 9 - - (57200)

$\dfrac{x^3 + y^3}{x^2 - xy + y^2} - \dfrac{x^3 - y^3}{x^2 + xy + y^2}$ ни соддалаштиринг.

A) $2x$ **B)** $2y$ C) $-2y$ D) $-2x$

456. 2.1-1 file-» 23 - 9 - - (57232)

$\sqrt{a - 2a^{1/2}b^{1/2} + b} - \dfrac{a-b}{a^{1/2} - b^{1/2}}$ ни соддалаштиринг $(b > a > 0)$.

A) $2a^{1/2} - 2b^{1/2}$ **B)** $-2a^{1/2}$ C) $-2b^{1/2}$
D) 0

457. 2.1-1 file-» 13 - 1 - - 1 (64199)

$\dfrac{y^2 - x^2}{2xy} : \dfrac{x+y}{2y}$ ни соддалаштиринг.

A) $\frac{x-y}{y}$ B) $\frac{x-y}{y(1+y)}$ C) $1 - \frac{x}{y}$ **D)** $\frac{y-x}{x}$

458. 2.1-1 file-» 23 - 16 - - 1 (86948)
$\sqrt{\sqrt{56} + 2\sqrt{5}} \cdot \sqrt{\sqrt{56} - 2\sqrt{5}}$ ни ҳисобланг.
A) 2 **B) 6** C) 3 D) 4

459. 2.1-1 file-» 23 - 19 - - 2 (109055)
$\left(\dfrac{\sqrt{2 + \sqrt{3}}}{\sqrt{2 - \sqrt{3}}} + \dfrac{\sqrt{2 - \sqrt{3}}}{\sqrt{2 + \sqrt{3}}} \right)^2 - 2$ ни ҳисобланг.
A) 12 **B) 14** C) 18 D) 16

460. 2.1-1 file-» 2 - 42 - - 5 (131687)
$\dfrac{1 - b^{-1} + b^{-2}}{1 - b + b^2}$ ни соддалаштиринг.
A) b^{-1} **B) b^{-2}** C) b^2 D) $b + 1$

461. 2.1-1 file-» 31 - 2 - - 5 (146254)
$\dfrac{c - 2\sqrt{c} + 1}{1 - \sqrt{c}}$ касрни қисқартиринг.
A) $\sqrt{c} - 1$ B) $c - 1$ C) $c + 1$ **D) $-\sqrt{c} + 1$**

462. 2.1-1 file-» 22 - 15 - - (315102)
$25 - (8a - 3)^2$ ni ko'paytuvchilarga ajrating.
A) $(8a + 2)(8a - 8)$ B) $(8a - 2)(8 + 8a)$
C) $(8a + 2)(8 - 8a)$ D) $(8a - 2)(8 - 8a)$

463. 2.1-1 file-» 28 - 1 - - (315103)
Agar $ab = 9$ va $3b = 8, 1c$ bo'lsa, ac ni hisoblang.
A) $3\dfrac{1}{3}$ B) $2\dfrac{5}{8}$ C) $2\dfrac{4}{9}$ D) $2\dfrac{1}{2}$

464. 2.1-1 file-» 28 - 2 - - (315104)
$a = 4b$ va $c + 12b = 0$ $(b \neq 0)$ bo'lsa, $\dfrac{a}{c}$ ni toping.
A) $-\dfrac{1}{3}$ B) $-\dfrac{1}{4}$ C) 3 D) -4

465. 2.1-1 file-» 22 - 1 - - (315105)
$2\dfrac{1}{3} \cdot (\dfrac{6}{7}m - 3) - 1\dfrac{2}{3} \cdot (\dfrac{6}{5}m - 6)$ ni soddalashtiring.
A) $m - 2$ B) 4 C) $m + 3$ **D) 3**

466. 2.1-1 file-» 13 - 3 - - (315106)
$\dfrac{\sqrt{32} + \sqrt{98} - \sqrt{50}}{\sqrt{72}} : \dfrac{1}{\sqrt{2}}$ ni hisoblang.
A) 2 B) 1 **C) $\sqrt{2}$** D) $2\sqrt{2}$

467. 2.1-1 file-» 13 - 4 - - (315107)
$\dfrac{\sqrt[3]{-24} + \sqrt[3]{81} + \sqrt[3]{192} + 3\sqrt[3]{-375}}{\sqrt[3]{-375}} - 1$ ni
hisoblang.
A) -1 **B) 1** C) 3 D) 0

468. 2.1-1 file-» 22 - 17 - - (315108)
$a(b - c) - b(c - a) - c(a - b)$ ni soddalashtiring.
A) $-2ac$ **B) $2ab - 2ac$** C) 0
D) $2ab - 2bc$

469. 2.1-1 file-» 22 - 18 - - (315109)
$a(b + c - bc) - b(c + a - ac) - c(b + a)$ ni
soddalashtiring.
A) $-2abc$ B) $2ac - 2bc$ **C) $-2bc$**
D) $ab - ac$

470. 2.1-1 file-» 23 - 5 - - (315110)
$\dfrac{x^3 - 8}{x^2 + 2x + 4} - \dfrac{x^3 + 8}{x^2 - 2x + 4}$ ni soddalashtiring.
A) -4 B) $4x$ C) $-2x$ D) 0

471. 2.1-1 file-» 23 - 9 - - (315111)
$\dfrac{x^3 + y^3}{x^2 - xy + y^2} - \dfrac{x^3 - y^3}{x^2 + xy + y^2}$ ni soddalashtiring.
A) $2x$ **B) $2y$** C) $-2y$ D) $-2x$

472. 2.1-1 file-» 23 - 9 - - (315112)
$\sqrt{a - 2a^{1/2}b^{1/2} + b} - \dfrac{a - b}{a^{1/2} - b^{1/2}}$
ni soddalashtiring $(b > a > 0)$.
A) $2a^{1/2} - 2b^{1/2}$ **B) $-2a^{1/2}$** C) $-2b^{1/2}$
D) 0

473. 2.1-1 file-» 13 - 1 - - 1 (315113)
$\dfrac{y^2 - x^2}{2xy} : \dfrac{x + y}{2y}$ ni soddalashtiring.
A) $\dfrac{x - y}{y}$ B) $\dfrac{x - y}{y(1 + y)}$ C) $1 - \dfrac{x}{y}$
D) $\dfrac{y - x}{x}$

474. 2.1-1 file-» 23 - 16 - - 1 (315114)
$\sqrt{\sqrt{56} + 2\sqrt{5}} \cdot \sqrt{\sqrt{56} - 2\sqrt{5}}$ ni hisoblang.
A) 2 **B) 6** C) 3 D) 4

475. 2.1-1 file-» 23 - 19 - - 2 (315115)
$\left(\dfrac{\sqrt{2 + \sqrt{3}}}{\sqrt{2 - \sqrt{3}}} + \dfrac{\sqrt{2 - \sqrt{3}}}{\sqrt{2 + \sqrt{3}}} \right)^2 - 2$ ni hisoblang.
A) 12 **B) 14** C) 18 D) 16

476. 2.1-1 file-» 2 - 42 - - 5 (315116)
$\dfrac{1 - b^{-1} + b^{-2}}{1 - b + b^2}$ ni soddalashtiring.
A) b^{-1} **B) b^{-2}** C) b^2 D) $b + 1$

477. 2.1-1 file-» 31 - 2 - - 5 (315117)
$\dfrac{c - 2\sqrt{c} + 1}{1 - \sqrt{c}}$ kasrni qisqartiring.
A) $\sqrt{c} - 1$ B) $c - 1$ C) $c + 1$
D) $-\sqrt{c} + 1$

478. 2.1-1 file-» 50 - 110 - - (401666)

Quyidagi sonlardan qaysi biri $\sqrt{\dfrac{5}{48}}$ ga teng emas?

A) $\dfrac{\sqrt{5}}{\sqrt{16}\sqrt{3}}$ B) $\dfrac{1}{12}\sqrt{15}$ C) $\dfrac{1}{4}\dfrac{\sqrt{5}}{\sqrt{3}}$

D) $\dfrac{1}{12}\sqrt{5}$

479. 2.1-1 file-» 50 - 110 - - (401667)

Quyidagi sonlardan qaysi biri $\sqrt{\dfrac{7}{108}}$ ga teng emas?

A) $\dfrac{\sqrt{7}}{\sqrt{36}\sqrt{3}}$ B) $\dfrac{1}{18}\sqrt{21}$ C) $\dfrac{1}{6}\dfrac{\sqrt{7}}{\sqrt{3}}$

D) $\dfrac{1}{18}\sqrt{7}$

480. 2.1-1 file-» 50 - 110 - - (401668)

Quyidagi sonlardan qaysi biri $\sqrt{\dfrac{11}{80}}$ ga teng emas?

A) $\dfrac{\sqrt{11}}{\sqrt{16}\sqrt{5}}$ B) $\dfrac{1}{20}\sqrt{55}$ C) $\dfrac{1}{4}\dfrac{\sqrt{11}}{\sqrt{5}}$

D) $\dfrac{1}{20}\sqrt{11}$

481. 2.1-1 file-» 50 - 110 - - (401669)

Quyidagi sonlardan qaysi biri $\sqrt{\dfrac{13}{80}}$ ga teng emas?

A) $\dfrac{\sqrt{13}}{\sqrt{16}\sqrt{5}}$ B) $\dfrac{1}{20}\sqrt{65}$ C) $\dfrac{1}{4}\dfrac{\sqrt{13}}{\sqrt{5}}$

D) $\dfrac{1}{20}\sqrt{13}$

482. 2.1-1 file-» 50 - 110 - - (401670)

Quyidagi sonlardan qaysi biri $\sqrt{\dfrac{17}{112}}$ ga teng emas?

A) $\dfrac{\sqrt{17}}{\sqrt{16}\sqrt{7}}$ B) $\dfrac{1}{28}\sqrt{119}$ C) $\dfrac{1}{4}\dfrac{\sqrt{17}}{\sqrt{7}}$

D) $\dfrac{1}{28}\sqrt{17}$

483. 2.1-1 file-» 50 - 110 - - (401671)

Quyidagi sonlardan qaysi biri $\sqrt{\dfrac{23}{44}}$ ga teng emas?

A) $\dfrac{\sqrt{23}}{\sqrt{4}\sqrt{11}}$ B) $\dfrac{1}{22}\sqrt{253}$ C) $\dfrac{1}{2}\dfrac{\sqrt{23}}{\sqrt{11}}$

D) $\dfrac{1}{22}\sqrt{23}$

484. 2.1-1 file-» 50 - 110 - - (401672)

Quyidagi sonlardan qaysi biri $\sqrt{\dfrac{19}{52}}$ ga teng emas?

A) $\dfrac{\sqrt{19}}{\sqrt{4}\sqrt{13}}$ B) $\dfrac{1}{26}\sqrt{247}$ C) $\dfrac{1}{2}\dfrac{\sqrt{19}}{\sqrt{13}}$

D) $\dfrac{1}{26}\sqrt{19}$

485. 2.1-1 file-» 50 - 110 - - (401673)

Quyidagi sonlardan qaysi biri $\sqrt{\dfrac{13}{68}}$ ga teng emas?

A) $\dfrac{\sqrt{13}}{\sqrt{4}\sqrt{17}}$ B) $\dfrac{1}{34}\sqrt{221}$ C) $\dfrac{1}{2}\dfrac{\sqrt{13}}{\sqrt{17}}$

D) $\dfrac{1}{34}\sqrt{13}$

486. 2.1-1 file-» 50 - 110 - - (401674)

Quyidagi sonlardan qaysi biri $\sqrt{\dfrac{17}{76}}$ ga teng emas?

A) $\dfrac{\sqrt{17}}{\sqrt{4}\sqrt{19}}$ B) $\dfrac{1}{38}\sqrt{323}$ C) $\dfrac{1}{2}\dfrac{\sqrt{17}}{\sqrt{19}}$

D) $\dfrac{1}{38}\sqrt{17}$

487. 2.1-1 file-» 50 - 110 - - (401675)

Quyidagi sonlardan qaysi biri $\sqrt{\dfrac{11}{92}}$ ga teng emas?

A) $\dfrac{\sqrt{11}}{\sqrt{4}\sqrt{23}}$ B) $\dfrac{1}{46}\sqrt{253}$ C) $\dfrac{1}{2}\dfrac{\sqrt{11}}{\sqrt{23}}$

D) $\dfrac{1}{46}\sqrt{11}$

488. 2.1-1 file-» 50 - 110 - - (401676)

Quyidagi sonlardan qaysi biri $\sqrt{\dfrac{17}{48}}$ ga teng emas?

A) $\dfrac{\sqrt{17}}{\sqrt{16}\sqrt{3}}$ B) $\dfrac{1}{12}\sqrt{51}$ C) $\dfrac{1}{4}\dfrac{\sqrt{17}}{\sqrt{3}}$

D) $\dfrac{1}{12}\sqrt{17}$

489. 2.1-1 file-» 50 - 110 - - (401677)

Quyidagi sonlardan qaysi biri $\sqrt{\dfrac{13}{80}}$ ga teng emas?

A) $\dfrac{\sqrt{13}}{\sqrt{16}\sqrt{5}}$ B) $\dfrac{1}{20}\sqrt{65}$ C) $\dfrac{1}{4}\dfrac{\sqrt{13}}{\sqrt{5}}$

D) $\dfrac{1}{20}\sqrt{13}$

490. 2.1-1 file-» 50 - 110 - - (401678)

Quyidagi sonlardan qaysi biri $\sqrt{\dfrac{11}{112}}$ ga teng emas?

A) $\dfrac{\sqrt{11}}{\sqrt{16}\sqrt{7}}$ B) $\dfrac{1}{28}\sqrt{77}$ C) $\dfrac{1}{4}\dfrac{\sqrt{11}}{\sqrt{7}}$

D) $\dfrac{1}{28}\sqrt{11}$

491. 2.1-1 file-» 50 - 110 - - (401679)

Quyidagi sonlardan qaysi biri $\sqrt{\dfrac{7}{176}}$ ga teng emas?

A) $\dfrac{\sqrt{7}}{\sqrt{16}\sqrt{11}}$ B) $\dfrac{1}{44}\sqrt{77}$ C) $\dfrac{1}{4}\dfrac{\sqrt{7}}{\sqrt{11}}$

D) $\dfrac{1}{44}\sqrt{7}$

492. 2.1-1 file-» 50 - 110 - - (401680)

Quyidagi sonlardan qaysi biri $\sqrt{\dfrac{5}{208}}$ ga teng emas?

A) $\dfrac{\sqrt{5}}{\sqrt{16}\sqrt{13}}$ B) $\dfrac{1}{52}\sqrt{65}$ C) $\dfrac{1}{4}\dfrac{\sqrt{5}}{\sqrt{13}}$

D) $\dfrac{1}{52}\sqrt{5}$

493. 2.1-1 file-» 5 - 3 - - 1 (704070)

Uchburchakning birinchi tomoni x ($x > 14$) sm, ikkinchi tomoni undan 9 sm qisqa, uchinchi tomoni esa birinchisidan 5 sm uzun. Shu uchburchakning perimetrini (sm) toping.

A) $3x + 4$ B) $3x - 14$ **C)** $3x - 4$
D) $3x + 14$

494. 2.1-1 file-» 5 - 3 - - 1 (704071)

$x^2 - x - 20$ kvadrat uchhadni chiziqli ko'paytuvchilarga ajrating.

A) $(x - 5)(x + 4)$ B) $(x + 5)(x - 4)$
C) $(x + 4)(5 - x)$ D) $(x + 5)(4 - x)$

495. 2.1-1 file-» 5 - 4 - - 1 (704072)

Uchburchakning birinchi tomoni $x(x > 15)$ sm, ikkinchi tomoni undan 10 sm qisqa, uchinchi tomoni esa birinchisidan 5 sm uzun. Shu uchburchakning perimetrini (sm) toping.

A) $3x - 5$ B) $3x + 5$ C) $3x - 15$
D) $3x + 15$

496. 2.1-1 file-» 5 - 4 - - 1 (704073)

$x^2 + x - 30$ kvadrat uchhadni chiziqli ko'paytuvchilarga ajrating.

A) $(x + 5)(x - 6)$ **B)** $(x + 6)(x - 5)$
C) $(x + 5)(6 - x)$ D) $(x - 5)(6 - x)$

497. 2.1-1 file-» 5 - 5 - - 1 (704074)

Uchburchakning birinchi tomoni $x(x > 12)$ sm, ikkinchi tomoni undan 8 sm qisqa, uchinchi tomoni esa birinchisidan 4 sm uzun. Shu uchburchakning perimetrini (sm) toping.

A) $3x - 4$ B) $3x + 4$ C) $3x - 12$
D) $3x + 12$

498. 2.1-1 file-» 22 - 13 - - 1 (704075)

$25 - (2c - 1)^2$ ni ko'paytuvchilarga ajrating.

A) $(4 + 2c)(6 - 2c)$ B) $(4 - 2c)(6 - 2c)$
C) $(4 - 2c)(6 + 2c)$ D) $(2c - 4)(2c - 6)$

499. 2.1-1 file-» 22 - 14 - - 1 (704076)

$25 - (2x - 3)^2$ ni ko'paytuvchilarga ajrating.

A) $(2x + 2)(8 - 2x)$ B) $(2x - 2)(8 - 2x)$
C) $(2x + 2)(2x - 8)$ D) $(2x - 2)(2x + 8)$

500. 2.1-1 file-» 22 - 15 - - 1 (704077)

$25 - (8a - 3)^2$ ni ko'paytuvchilarga ajrating.

A) $(8a + 2)(8a - 8)$ B) $(8a - 2)(8 + 8a)$
C) $(8a + 2)(8 - 8a)$ D) $(8a - 2)(8 - 8a)$

501. 2.1-1 file-» 13 - 3 - - 1 (704078)

$\dfrac{y^{2\pi} - x^{2\pi}}{x^{\pi} + y^{\pi}}$ ni qisqartiring.

A) $x^{\pi} + y^{\pi}$ **B)** $-x^{\pi} + y^{\pi}$ C) $x - y$
D) $x^{\pi} - y^{\pi}$

502. 2.1-1 file-» 13 - 4 - - 1 (704079)

$\dfrac{x^{\sqrt[4]{\pi}} + y^{\sqrt[4]{\pi}}}{y^{2\sqrt[4]{\pi}} - x^{2\sqrt[4]{\pi}}}$ ni qisqartiring.

A) $\dfrac{1}{x^{\sqrt[4]{\pi}} + y^{\sqrt[4]{\pi}}}$ B) $x^{\sqrt{\pi}} + y^{\sqrt{\pi}}$

C) $x^{\sqrt{\pi}} - y^{\sqrt{\pi}}$ **D)** $\dfrac{1}{-x^{\sqrt[4]{\pi}} + y^{\sqrt[4]{\pi}}}$

503. 2.1-1 file-» 22 - 17 - - 1 (704080)

$a(b - c) - b(c - a) - c(a - b)$ ni soddalashtiring.

A) $-2ac$ **B)** $2ab - 2ac$ C) 0
D) $2ab - 2bc$

504. 2.1-1 file-» 22 - 18 - - 1 (704081)

$a(b + c - bc) - b(c + a - ac) - c(b + a)$ ni soddalashtiring.

A) $-2abc$ B) $2ac - 2bc$ **C)** $-2bc$
D) $ab - ac$

505. 2.1-1 file-» 13 - 1 - - 1 (704082)

$\dfrac{y^2 - x^2}{2xy} : \dfrac{x + y}{2y}$ ni soddalashtiring.

A) $\dfrac{x - y}{y}$ B) $\dfrac{x - y}{y(1 + y)}$ C) $1 - \dfrac{x}{y}$

D) $\dfrac{y - x}{x}$

506.   2.1-1 file-» 23 - 16 - - 1   (704083)

$\sqrt{\sqrt{56} + 2\sqrt{5}} \cdot \sqrt{\sqrt{56} - 2\sqrt{5}}$ ni hisoblang.

A) 2   **B) 6**   C) 3   D) 4

507.   2.1-1 file-» 2 - 42 - - 1   (704084)

$\dfrac{1 - b^{-1} + b^{-2}}{1 - b + b^2}$ ni soddalashtiring.

A) b^{-1} **B) b^{-2}**   C) b^2 D) $b + 1$

508.   2.1-1 file-» 22 - 11 - - 2   (719068)

$\dfrac{3}{7} \cdot (1\dfrac{2}{5}a + 2, 1) + \dfrac{3}{5} \cdot (\dfrac{2}{3}a - \dfrac{5}{6})$ ni soddalashtiring.

A) $a + \dfrac{2}{5}$ B) $a + \dfrac{3}{4}$ C) $1\dfrac{2}{3}a - \dfrac{2}{5}$

D) $0,6 + a$

509.   2.1-1 file-» 22 - 12 - - 2   (719069)

$2\dfrac{2}{3} \cdot (1\dfrac{1}{2}a - 2\dfrac{1}{4}) - 1\dfrac{1}{5} \cdot (2\dfrac{1}{2}a - \dfrac{5}{6})$ ni soddalashtiring.

A) $a - 5$ B) $7a - 7$ C) 7   D) $a - 1$

510.   2.1-1 file-» 28 - 1 - - 2   (719070)

Agar $ab = 9$ va $3b = 8, 1c$ bo'lsa, ac ni hisoblang.

A) $3\dfrac{1}{3}$ B) $2\dfrac{5}{8}$ C) $2\dfrac{4}{9}$ D) $2\dfrac{1}{2}$

511.   2.1-1 file-» 22 - 1 - - 2   (719071)

$2\dfrac{1}{3} \cdot (\dfrac{6}{7}m - 3) - 1\dfrac{2}{3} \cdot (\dfrac{6}{5}m - 6)$ ni soddalashtiring.

A) $m - 2$ B) 4   C) $m + 3$ **D) 3**

512.   2.1-1 file-» 13 - 3 - - 2   (719072)

$\dfrac{\sqrt{32} + \sqrt{98} - \sqrt{50}}{\sqrt{72}} : \dfrac{1}{\sqrt{2}}$ ni hisoblang.

A) 2   B) 1   **C) $\sqrt{2}$**   D) $2\sqrt{2}$

513.   2.1-1 file-» 13 - 4 - - 2   (719073)

$\dfrac{\sqrt[3]{-24} + \sqrt[3]{81} + \sqrt[3]{192} + 3\sqrt[3]{-375}}{\sqrt[3]{-375}} - 1$ ni hisoblang.

A) -1 **B) 1**   C) 3   D) 0

514.   2.1-1 file-» 23 - 5 - - 2   (719074)

$\dfrac{x^3 - 8}{x^2 + 2x + 4} - \dfrac{x^3 + 8}{x^2 - 2x + 4}$ ni soddalashtiring.

A) -4   B) $4x$ C) $-2x$ D) 0

515.   2.1-1 file-» 23 - 9 - - 2   (719075)

$\sqrt{a - 2a^{1/2}b^{1/2} + b} - \dfrac{a - b}{a^{1/2} - b^{1/2}}$

ni soddalashtiring $(b > a > 0)$.

A) $2a^{1/2} - 2b^{1/2}$ **B) $-2a^{1/2}$**   C) $-2b^{1/2}$
D) 0

516.   2.1-1 file-» 23 - 19 - - 2   (719076)

$\left(\dfrac{\sqrt{2 + \sqrt{3}}}{\sqrt{2 - \sqrt{3}}} + \dfrac{\sqrt{2 - \sqrt{3}}}{\sqrt{2 + \sqrt{3}}} \right)^2 - 2$ ni hisoblang.

A) 12   **B) 14**   C) 18   D) 16

517.   2.1-1 file-» 51 - 1 - -   (719077)

$2a^2b + 3a - 4ab^2 - 6b$ ko'phadni kupaytuvchilarga ajrating.

A) $(2ab - 3)(a - 5b)$ **B) $(a - 2b)(2ab + 3)$**
C) $(3 + 2ab)(a - 5b)$ D) $(2a^2 + b)(b - 5a)$

518.   2.1-1 file-» 51 - 1 - -   (719078)

$\left(\dfrac{a^3 - b^3}{a - b} + ab \right) : (a + b) + a - b$ ifodani soddalashtiring.

A) $2b$ **B) $2a$**   C) $-2b$ D) $-2a$

519.   2.1-1 file-» 51 - 1 - -   (719079)

$(9x^{-3} - x^{-3}y^2) \cdot \left(\dfrac{1}{x} \right)^{-3}$ ning $x = -6, 07$ va $y = 5$ bo'lgandagi qiymatini hisoblang.

A) $14, 07$ **B) -16**   C) $-13, 03$ D) 16

520.   2.1-1 file-» 51 - 1 - -   (719080)

$\dfrac{27^{\frac{1}{2}} \cdot \sqrt[3]{4^2}}{\sqrt{3} \cdot 2^{\frac{1}{3}}}$ ni hisoblang.

A) 6   B) 12   C) 3   D) 8

521.   2.1-1 file-» 51 - 2 - -   (719081)

$\dfrac{1}{4 + 2\sqrt{3}} - \dfrac{1}{4 - 2\sqrt{3}}$ ni hisoblang.

A) $\sqrt{3}$ **B) $-\sqrt{3}$**   C) $2\sqrt{3}$ D) $-2\sqrt{3}$

522.   2.1-1 file-» 51 - 2 - -   (719082)

$8b + (5 - (b - (5b + 2)))$ ifodani soddalashtiring.

A) $12b + 7$ B) $2b + 3$ C) $2b + 7$
D) $13b + 3$

523.   2.1-1 file-» 51 - 2 - -   (719083)

$\dfrac{xy - x + y - y^2}{x^2 - y^2}$ kasrni qisqartiring.

A) $-\dfrac{1 - y}{x + y}$ B) $\dfrac{1 - y}{x - y}$ C) $\dfrac{y}{x + y}$

D) $-\dfrac{x}{x - y}$

524.   2.1-1 file-» 51 - 2 - -   (719084)

$\sqrt{313^2 - 312^2}$ ni hisoblang.

A) 25   B) 1   C) 625   D) 2

525.   2.1-1 file-» 51 - 2 - -   (719085)

$\dfrac{2^0 \cdot (x^0 + y^0 + z^0)^{-2}}{6^{-1} \cdot a^{-3}}$ $(xyz \neq 0)$ ni soddalashtiring.

A) $-\dfrac{3}{2}a^3$ B) $6a^3$ C) $\dfrac{4}{3}a^3$ **D) $\dfrac{2}{3}a^3$**

526. 2.1-2 file-» 23 - 3 - - (36521)

$\dfrac{y^2 - 4y - 5}{y^2 - 1}$ ни қисқартиринг.

A) $\dfrac{y - 5}{y - 1}$ B) $\dfrac{5 - y}{y - 1}$ C) $\dfrac{y + 5}{y - 1}$ D) $\dfrac{y - 5}{y + 1}$

527. 2.1-2 file-» 23 - 3 - - (36544)

$\dfrac{19}{\sqrt{20} - 1} - 2\sqrt{5} + 4$ ни соддалаштиринг.

A) 6   **B)** 5   C) $2\sqrt{5} + 4$ D) 4

528. 2.1-2 file-» 23 - 4 - - (36580)

$\dfrac{n^2 - 8n + 7}{n^2 - 1}$ ни қисқартиринг.

A) $\dfrac{n + 7}{n - 1}$ **B)** $\dfrac{n - 7}{n + 1}$ C) $\dfrac{n + 7}{n + 1}$ D) $\dfrac{n - 7}{n - 1}$

529. 2.1-2 file-» 23 - 4 - - (36603)

$\dfrac{19}{\sqrt{20} + 1} + 4 - 2\sqrt{5}$ ни соддалаштиринг.

A) 6   **B)** 3   C) $4\sqrt{5} - 7$ D) $4\sqrt{5} - 6$

530. 2.1-2 file-» 22 - 1 - - (36752)

$\dfrac{4 + \sqrt{8}}{4 - \sqrt{8}} - \dfrac{4 - \sqrt{8}}{4 + \sqrt{8}}$ нинг қийматини топинг.

A) $4\sqrt{2}$ B) $\dfrac{3\sqrt{8}}{8}$ C) $4\dfrac{2}{5}$ D) $\dfrac{\sqrt{8} + 8}{4}$

531. 2.1-2 file-» 22 - 17 - - (56973)

$\left(\dfrac{4a}{4 - a^2} - \dfrac{a - 2}{4 + 2a}\right) \cdot \dfrac{2}{a + 2} + \dfrac{a + 1}{2 - a}$ ни соддалаштиринг.

A) -1 **B)** $\dfrac{2 + a}{2 - a}$ C) $\dfrac{3 + a}{2 - a}$ D) 1

532. 2.1-2 file-» 22 - 18 - - (57033)

$\dfrac{1 - x^2}{1 + x^2} \cdot \left(\dfrac{1}{(x - 1)^2} - \dfrac{x}{1 - x^2}\right)$ ни соддалаштиринг.

A) $\dfrac{1}{1 - x}$ B) -1 C) $\dfrac{x + 1}{1 - x}$ D) $\dfrac{1}{x - 1}$

533. 2.1-2 file-» 23 - 5 - - (57101)

$\dfrac{x^{-3} + 8}{x^{-2} - 2x^{-1} + 4}$ нинг $x = 0,25$ даги қийматини ҳисобланг.

A) 6   B) 3   C) 4   D) 5

534. 2.1-2 file-» 23 - 6 - - (57138)

$\dfrac{a^2 + ab + b^2}{a^3 - b^3} + \dfrac{a^2 - ab + b^2}{a^3 + b^3}$ ни соддалаштиринг.

A) $\dfrac{2b}{b^2 - a^2}$ **B)** $\dfrac{2a}{a^2 - b^2}$ C) $\dfrac{2b}{a^2 - b^2}$

D) $\dfrac{2a}{b^2 - a^2}$

535. 2.1-2 file-» 23 - 15 - - 2 (64299)

$\sqrt{12\sqrt[3]{18}} \cdot \sqrt[6]{96}$ ни ҳисобланг.

A) 6   B) 18   C) 9   **D)** 12

536. 2.1-2 file-» 2 - 1 - - 6 (67905)

$a^2 + \dfrac{9}{a^2} = 31$ бўлса, $a - \dfrac{3}{a}$ нимага тенг?

A) 3   B) -3 **C)** ± 5 D) ± 4

537. 2.1-2 file-» 22 - 19 - - 4 (69926)

$(a + b - 2)(a + b) - (a - b)^2 + 1$ ни кўпайтувчиларга ажратинг.

A) $(2a - 1)(2b - 1)$ B) $(2a + 1)(2b + 1)$

C) $2b(a + 1)$ D) $(a + 1)(2b - 1)$

538. 2.1-2 file-» 22 - 19 - - 4 (69936)

$\dfrac{5x + 6}{x^2 - 4} - \dfrac{x}{x^2 - 4} : \dfrac{x}{x - 2} + 1$ ифодани соддалаштиринг.

A) 1   B) -1 C) $\dfrac{x - 2}{x + 2}$ **D)** $\dfrac{x + 2}{x - 2}$

539. 2.1-2 file-» 23 - 11 - - 9 (70979)

$\left(\dfrac{1}{a(a + 1)} + \dfrac{1}{(a + 1)(a + 2)}\right) \cdot \dfrac{a^2 + 2a}{8}$ ни соддалаштиринг.

A) $\dfrac{1}{6}$ B) $\dfrac{1}{8}$ C) $\dfrac{3}{4}$ **D)** $\dfrac{1}{4}$

540. 2.1-2 file-» 19 - 2 - - 3 (87498)

$4\sqrt{7\dfrac{1}{2}} - \dfrac{2\sqrt{10}}{2\sqrt{3} - \sqrt{10}} + 8 + 3\sqrt{10}$ ни соддалаштиринг.

A) $2 - 3\sqrt{10}$ B) 10   **C)** $3\sqrt{10} - 2$ D) -10

541. 2.1-2 file-» 5 - 11 - - 5 (93384)

$\dfrac{x^3 - 2x^2}{3x + 3} : \dfrac{x^2 - 4}{3x^2 + 9x + 6}$ ни соддалаштиринг.

A) x^2 B) $\dfrac{x^2(x + 1)}{x + 2}$ C) $\dfrac{x^2(x - 1)}{x + 2}$

D) $\dfrac{x^2(x - 2)}{x + 2}$

542. 2.1-2 file-» 22 - 20 - - 6 (96060)

$\left(\dfrac{1}{m^2 - m} - \dfrac{1}{m - 1}\right) \cdot \dfrac{m}{m + 2} + \dfrac{m + 1}{m + 2}$ ни соддалаштиринг.

A) $\dfrac{2m - 2}{m^2 - 4}$ B) $\dfrac{m}{m - 2}$ C) $\dfrac{2}{m^2 - 4}$

D) $\dfrac{m}{m + 2}$

543. 2.1-2 file-» 22 - 20 - - 6 (96062)

$(a + b)(a - b + 1) + (a - b)(a + b - 1) - 2b$ ни соддалаштиринг.

A) $2b$ B) $2a - 2b$ C) $2a$ **D)** $2a^2 - 2b^2$

544. 2.1-2 file-» 16 - 7 - - 6 (105894)

$$\frac{\sqrt[3]{\left(5 + 2\sqrt{6}\right)^2}}{\sqrt[3]{5 - \sqrt{24}}} - 6 - \sqrt{24}$$ ни ҳисобланг.

A) -1 B) -3 C) -7 D) -8

545. 2.1-2 file-» 22 - 21 - - 4 (105932)

$(a + b)(a + b + 1) - (a - b)(a - b - 1)$ ни кўпайтувчиларга ажратинг.

A) $2(a + b)(b + 1)$ B) $4a(b + 1)$ C) $2a(b - 1)$
D) $2a(2b + 1)$

546. 2.1-2 file-» 23 - 3 - - (315118)

$\dfrac{y^2 - 4y - 5}{y^2 - 1}$ ni qisqartiring.

A) $\dfrac{y - 5}{y - 1}$ B) $\dfrac{5 - y}{y - 1}$ C) $\dfrac{y + 5}{y - 1}$ D) $\dfrac{y - 5}{y + 1}$

547. 2.1-2 file-» 23 - 3 - - (315119)

$\dfrac{19}{\sqrt{20} - 1} - 2\sqrt{5} + 4$ ni soddalashtiring.

A) 6 **B)** 5 C) $2\sqrt{5} + 4$ D) 4

548. 2.1-2 file-» 23 - 4 - - (315120)

$\dfrac{n^2 - 8n + 7}{n^2 - 1}$ ni qisqartiring.

A) $\dfrac{n + 7}{n - 1}$ **B)** $\dfrac{n - 7}{n + 1}$ C) $\dfrac{n + 7}{n + 1}$ D) $\dfrac{n - 7}{n - 1}$

549. 2.1-2 file-» 23 - 4 - - (315121)

$\dfrac{19}{\sqrt{20} + 1} + 4 - 2\sqrt{5}$ ni soddalashtiring.

A) 6 **B)** 3 C) $4\sqrt{5} - 7$ D) $4\sqrt{5} - 6$

550. 2.1-2 file-» 22 - 1 - - (315122)

$\dfrac{4 + \sqrt{8}}{4 - \sqrt{8}} - \dfrac{4 - \sqrt{8}}{4 + \sqrt{8}}$ ning qiymatini toping.

A) $4\sqrt{2}$ B) $\dfrac{3\sqrt{8}}{8}$ C) $4\dfrac{2}{5}$ D) $\dfrac{\sqrt{8} + 8}{4}$

551. 2.1-2 file-» 22 - 17 - - (315123)

$\left(\dfrac{4a}{4 - a^2} - \dfrac{a - 2}{4 + 2a}\right) \cdot \dfrac{2}{a + 2} + \dfrac{a + 1}{2 - a}$ ni soddalashtiring.

A) -1 **B)** $\dfrac{2 + a}{2 - a}$ C) $\dfrac{3 + a}{2 - a}$ D) 1

552. 2.1-2 file-» 22 - 18 - - (315124)

$\dfrac{1 - x^2}{1 + x^2} \cdot \left(\dfrac{1}{(x - 1)^2} - \dfrac{x}{1 - x^2}\right)$ ni soddalashtiring.

A) $\dfrac{1}{1 - x}$ B) -1 C) $\dfrac{x + 1}{1 - x}$ D) $\dfrac{1}{x - 1}$

553. 2.1-2 file-» 23 - 5 - - (315125)

$\dfrac{x^{-3} + 8}{x^{-2} - 2x^{-1} + 4}$ ning $x = 0,25$ dagi qiymatini hisoblang.

A) 6 B) 3 C) 4 D) 5

554. 2.1-2 file-» 23 - 6 - - (315126)

$\dfrac{a^2 + ab + b^2}{a^3 - b^3} + \dfrac{a^2 - ab + b^2}{a^3 + b^3}$ ni soddalashtiring.

A) $\dfrac{2b}{b^2 - a^2}$ **B)** $\dfrac{2a}{a^2 - b^2}$ C) $\dfrac{2b}{a^2 - b^2}$

D) $\dfrac{2a}{b^2 - a^2}$

555. 2.1-2 file-» 23 - 15 - - 2 (315127)

$\sqrt{12\sqrt[3]{18}} \cdot \sqrt[6]{96}$ ni hisoblang.

A) 6 B) 18 C) 9 **D)** 12

556. 2.1-2 file-» 2 - 1 - - 6 (315128)

$a^2 + \dfrac{9}{a^2} = 31$ bo'lsa, $a - \dfrac{3}{a}$ nimaga teng?

A) 3 B) -3 **C)** ± 5 D) ± 4

557. 2.1-2 file-» 22 - 19 - - 4 (315129)

$(a + b - 2)(a + b) - (a - b)^2 + 1$ ni ko'paytuvchilarga ajrating.

A) $(2a - 1)(2b - 1)$ B) $(2a + 1)(2b + 1)$
C) $2b(a + 1)$ D) $(a + 1)(2b - 1)$

558. 2.1-2 file-» 22 - 19 - - 4 (315130)

$\dfrac{5x + 6}{x^2 - 4} - \dfrac{x}{x^2 - 4} : \dfrac{x}{x - 2} + 1$ ifodani soddalashtiring.

A) 1 B) -1 C) $\dfrac{x - 2}{x + 2}$ **D)** $\dfrac{x + 2}{x - 2}$

559. 2.1-2 file-» 23 - 11 - - 9 (315131)

$\left(\dfrac{1}{a(a + 1)} + \dfrac{1}{(a + 1)(a + 2)}\right) \cdot \dfrac{a^2 + 2a}{8}$ ni soddalashtiring.

A) $\dfrac{1}{6}$ B) $\dfrac{1}{8}$ C) $\dfrac{3}{4}$ **D)** $\dfrac{1}{4}$

560. 2.1-2 file-» 19 - 2 - - 3 (315132)

$4\sqrt{7\dfrac{1}{2}} - \dfrac{2\sqrt{10}}{2\sqrt{3} - \sqrt{10}} + 8 + 3\sqrt{10}$ ni soddalashtiring.

A) $2 - 3\sqrt{10}$ B) 10 **C)** $3\sqrt{10} - 2$
D) -10

561. 2.1-2 file-» 5 - 11 - - 5 (315133)

$\dfrac{x^3 - 2x^2}{3x + 3} : \dfrac{x^2 - 4}{3x^2 + 9x + 6}$ ni soddalashtiring.

A) x^2 B) $\dfrac{x^2(x + 1)}{x + 2}$ C) $\dfrac{x^2(x - 1)}{x + 2}$

D) $\dfrac{x^2(x - 2)}{x + 2}$

562. 2.1-2 file-» 22 - 20 - - 6 (315134)
$(\dfrac{1}{m^2 - m} - \dfrac{1}{m - 1}) \cdot \dfrac{m}{m + 2} + \dfrac{m + 1}{m + 2}$ ni soddalashtiring.

A) $\dfrac{2m - 2}{m^2 - 4}$ B) $\dfrac{m}{m - 2}$ C) $\dfrac{2}{m^2 - 4}$

D) $\dfrac{m}{m + 2}$

563. 2.1-2 file-» 22 - 20 - - 6 (315135)
$(a + b)(a - b + 1) + (a - b)(a + b - 1) - 2b$ ni soddalashtiring.

A) $2b$ B) $2a - 2b$ C) $2a$ **D)** $2a^2 - 2b^2$

564. 2.1-2 file-» 16 - 7 - - 6 (315136)
$\dfrac{\sqrt[3]{\left(5 + 2\sqrt{6}\right)^2}}{\sqrt[3]{5 - \sqrt{24}}} - 6 - \sqrt{24}$ ni hisoblang.

A) -1 B) -3 C) -7 D) -8

565. 2.1-2 file-» 22 - 21 - - 4 (315137)
$(a + b)(a + b + 1) - (a - b)(a - b - 1)$ ni ko'paytuvchilarga ajrating.

A) $2(a + b)(b + 1)$ B) $4a(b + 1)$
C) $2a(b - 1)$ **D)** $2a(2b + 1)$

566. 2.1-2 file-» 23 - 5 - - (315138)
$\dfrac{1}{2 + \sqrt{3}} + \dfrac{2}{\sqrt{3} - 1} - 1$ ni hisoblang.

A) 2 B) 3 C) 4 D) $\sqrt{3}$

567. 2.1-2 file-» 16 - 3 - - 5 (315139)
Agar $\sqrt{t^5 + 3} - \sqrt{t^5 - 2} = 2$ bo'lsa,
$\sqrt{t^5 + 3} + \sqrt{t^5 - 2}$ ning qiymati nechaga teng bo'ladi?

A) 2 B) $3, 5$ C) 1 **D)** $2, 5$

568. 2.1-2 file-» 22 - 19 - - 4 (315140)
Agar $\dfrac{4b + a}{5a - 7b} = \dfrac{7}{8}$ bo'lsa, $\dfrac{3a^2 - 4ab + b^2}{5a^2 + 3b^2}$ ning qiymati nimaga teng bo'ladi?

A) $\dfrac{1}{3}$ B) $\dfrac{22}{47}$ C) $0, 5$ D) $\dfrac{9}{22}$

569. 2.1-2 file-» 16 - 4 - - 11 (315141)
Agar $\sqrt{13 + z^3} - \sqrt{z^3 - 14} = 3, 375$ bo'lsa,
$\sqrt{13 + z^3} + \sqrt{z^3 - 14}$ ning qiymati nechaga teng bo'ladi?

A) 5 B) 6 C) 7 **D)** 8

570. 2.1-2 file-» 30 - 1 - - 12 (315142)
$\dfrac{x^3 + 1}{x^4 + x^2 + 1}$ kasrni qisqartiring.

A) $\dfrac{x - 1}{x^2 - x + 1}$ B) $\dfrac{x}{x + 2}$ **C)** $\dfrac{x + 1}{x^2 + x + 1}$

D) $\dfrac{x - 2}{x^2 - x - 1}$

571. 2.1-2 file-» 22 - 20 - - 6 (315143)
$4y(5x - y) - (5x - 2)(5x + 2) + 2$ ning eng katta qiymatini toping.

A) 6 B) 5 C) 4 D) 2

572. 2.1-2 file-» 16 - 5 - - 10 (315144)
$(x + 6)(x + 4)(x + 2)x$ ko'paytmaning eng kichik qiymatini toping.

A) -25 B) 9 C) -9 **D)** -16

573. 2.1-2 file-» 19 - 4 - - 3 (315145)
n ning nechta butun qiymatida $\dfrac{n^2 - 5n - 2}{n + 1}$ kasr butun son bo'ladi?

A) 6 B) 2 C) 3 D) 4

574. 2.1-2 file-» 19 - 4 - - 3 (315146)
Agar $(\sqrt{3} + 2)a = 1$ va $(\sqrt{3} - 2)b = -1$ bo'lsa,
$(a + 1)^{-1} - (b + 1)^{-1}$ ning qiymatini hisoblang.

A) $\dfrac{1}{\sqrt{3}}$ B) $0, 5$ C) $\dfrac{2}{\sqrt{3}}$ D) $\sqrt{3}$

575. 2.1-2 file-» 2 - 6 - - 11 (315147)
Agar $a(x - 1)^2 + b(x - 1) + c = 2x^2 - 5x + 8$ ayniyat bo'lsa, $a + b + c$ yig'indi nechaga teng bo'ladi?

A) 7 B) 8 **C)** 6 D) 4

576. 2.1-2 file-» 2 - 6 - - (315148)
Agar $\dfrac{5x + 1}{x^2 - x - 12} = \dfrac{a}{x + 3} + \dfrac{b}{x - 4}$ ayniyat bo'lsa, $b - a$ ni toping.

A) 6 B) -1 C) -6 **D)** 1

577. 2.1-2 file-» 23 - 19 - - 2 (315149)
$\left(\dfrac{a^{\frac{1}{2}} + 1}{a^{\frac{1}{2}} - 1} + \dfrac{a^{\frac{1}{2}} - 1}{a^{\frac{1}{2}} + 1} - \dfrac{4}{a - 1}\right)^{-3} - \dfrac{1}{4}$ ni soddalashtiring.

A) $\dfrac{3}{8}$ B) $-\dfrac{5}{8}$ C) $\dfrac{1}{8}$ **D)** $-\dfrac{1}{8}$

578. 2.1-2 file-» 35 - 1 - - 1 (315150)
Agar $x = (\sqrt{8} - 5)/2$ bo'lsa,
$(x + 1)(x + 2)(x + 3)(x + 4)$ ning qiymatini hisoblang.

A) $\dfrac{7}{16}$ **B)** $-\dfrac{7}{16}$ C) 1 D) -1

579. 2.1-2 file-» 16 - 8 - - 3 (315151)
$\begin{cases} x^3 - y^3 = 152, \\ x - y = 2. \end{cases}$
$x \cdot y$ -?

A) 12 B) 4 **C)** 24 D) 6

580. 2.1-2 file-» 2 - 42 - - 4 (315152)
Agar $a = 39 - \sqrt{432}$ bo'lsa, $\sqrt{a} + \sqrt{3}$ ifodaning qiymatini aniqlang.

A) 4 **B)** 6 C) 5 D) $6 + \sqrt{3}$

581. 2.1-2 file-» 19 - 7 - - 12 (315153)

$$\left(\frac{\sqrt{y} - \sqrt{x}}{y - \sqrt{xy} + x} + \frac{x}{x\sqrt{x} + y\sqrt{y}}\right) \cdot$$

$\cdot \dfrac{x\sqrt{x} + y\sqrt{y}}{y}$ ni soddalashtiring.

A) $\sqrt{x} + \sqrt{y}$ B) $\sqrt{x} - \sqrt{y}$ **C) 1**   D) $\sqrt{y}$

582. 2.1-2 file-» 37 - 1 - - 3 (315154)

Agar $\dfrac{4x^2 - 4xy + 3y^2}{2y^2 + 2xy - 5x^2} = 1$ bo'lsa, $\dfrac{2x - y}{2x + y}$ ning qiymati nimaga teng?

A) $-\dfrac{1}{5}$ B) -2 C) $\dfrac{1}{2}$ D) $-\dfrac{1}{2}$

583. 2.1-2 file-» 37 - 2 - - 4 (315155)

Agar $\dfrac{4x^2 - 4xy + 3y^2}{2y^2 + 2xy - 5x^2} = 1$ bo'lsa, $\dfrac{4x - y}{4x + y}$ ning qiymati nimaga teng?

A) $\dfrac{1}{7}$ B) -2 C) $\dfrac{1}{2}$ D) $-\dfrac{1}{2}$

584. 2.1-2 file-» 31 - 2 - - 5 (315156)

Ifodani soddalashtiring:

$$\left(\frac{20}{\sqrt{6} + 1} + \frac{4}{\sqrt{6} - 2} - \frac{12}{3 - \sqrt{6}}\right) \cdot$$
$$\cdot \left(2\sqrt{6} + 12\right).$$

A) -115 B) 127 **C) -120**   D) -116

585. 2.1-2 file-» 31 - 2 - - 5 (315157)

Agar $a + a^{-1} = 6$ bo'lsa, $a^3 + a^{-3}$ ni hisoblang.

A) 216 **B) 198**   C) 234 D) 210

586. 2.1-2 file-» 22 - 25 - - 8 (315158)

$\sqrt{17 - 12\sqrt{2}} \cdot (9 + 6\sqrt{2})$ ning qiymatini hisoblang.

A) $2\sqrt{2}$ **B) 3**   C) $\sqrt{3 + \sqrt{8}}$ D) 2

587. 2.1-2 file-» 23 - 3 - - 1 (704085)

$\dfrac{y^2 - 4y - 5}{y^2 - 1}$ ni qisqartiring.

A) $\dfrac{y - 5}{y - 1}$ B) $\dfrac{5 - y}{y - 1}$ C) $\dfrac{y + 5}{y - 1}$ D) $\dfrac{y - 5}{y + 1}$

588. 2.1-2 file-» 23 - 3 - - 1 (704086)

$\dfrac{19}{\sqrt{20} - 1} - 2\sqrt{5} + 4$ ni soddalashtiring.

A) 6 **B) 5**   C) $2\sqrt{5} + 4$ D) 4

589. 2.1-2 file-» 23 - 4 - - 1 (704087)

$\dfrac{n^2 - 8n + 7}{n^2 - 1}$ ni qisqartiring.

A) $\dfrac{n + 7}{n - 1}$ **B) $\dfrac{n - 7}{n + 1}$**   C) $\dfrac{n + 7}{n + 1}$ D) $\dfrac{n - 7}{n - 1}$

590. 2.1-2 file-» 23 - 4 - - 1 (704088)

$\dfrac{19}{\sqrt{20} + 1} + 4 - 2\sqrt{5}$ ni soddalashtiring.

A) 6 **B) 3**   C) $4\sqrt{5} - 7$ D) $4\sqrt{5} - 6$

591. 2.1-2 file-» 22 - 1 - - 1 (704089)

$\dfrac{4 + \sqrt{8}}{4 - \sqrt{8}} - \dfrac{4 - \sqrt{8}}{4 + \sqrt{8}}$ ning qiymatini toping.

A) $4\sqrt{2}$ B) $\dfrac{3\sqrt{8}}{8}$ C) $4\dfrac{2}{5}$ D) $\dfrac{\sqrt{8} + 8}{4}$

592. 2.1-2 file-» 22 - 17 - - 1 (704090)

$\left(\dfrac{4a}{4 - a^2} - \dfrac{a - 2}{4 + 2a}\right) \cdot \dfrac{2}{a + 2} + \dfrac{a + 1}{2 - a}$ ni soddalashtiring.

A) -1 **B) $\dfrac{2 + a}{2 - a}$**   C) $\dfrac{3 + a}{2 - a}$ D) 1

593. 2.1-2 file-» 22 - 18 - - 1 (704091)

$\dfrac{1 - x^2}{1 + x^2} \cdot \left(\dfrac{1}{(x - 1)^2} - \dfrac{x}{1 - x^2}\right)$ ni soddalashtiring.

A) $\dfrac{1}{1 - x}$ B) -1 C) $\dfrac{x + 1}{1 - x}$ D) $\dfrac{1}{x - 1}$

594. 2.1-2 file-» 23 - 5 - - 1 (704092)

$\dfrac{x^{-3} + 8}{x^{-2} - 2x^{-1} + 4}$ ning $x = 0,25$ dagi qiymatini hisoblang.

A) 6   B) 3 C) 4 D) 5

595. 2.1-2 file-» 23 - 6 - - 1 (704093)

$\dfrac{a^2 + ab + b^2}{a^3 - b^3} + \dfrac{a^2 - ab + b^2}{a^3 + b^3}$ ni soddalashtiring.

A) $\dfrac{2b}{b^2 - a^2}$ **B) $\dfrac{2a}{a^2 - b^2}$**   C) $\dfrac{2b}{a^2 - b^2}$

D) $\dfrac{2a}{b^2 - a^2}$

596. 2.1-2 file-» 23 - 15 - - 1 (704094)

$\sqrt{12\sqrt[3]{18}} \cdot \sqrt[6]{96}$ ni hisoblang.

A) 6 B) 18 C) 9 **D) 12**

597. 2.1-2 file-» 2 - 1 - - 1 (704095)

$a^2 + \dfrac{9}{a^2} = 31$ bo'lsa, $a - \dfrac{3}{a}$ nimaga teng?

A) 3 B) -3 **C) ± 5**   D) ± 4

598. 2.1-2 file-» 22 - 19 - - 1 (704096)

$(a + b - 2)(a + b) - (a - b)^2 + 1$ ni ko'paytuvchilarga ajrating.

A) $(2a - 1)(2b - 1)$ B) $(2a + 1)(2b + 1)$

C) $2b(a + 1)$ D) $(a + 1)(2b - 1)$

599. 2.1-2 file-» 22 - 19 - - 1 (704097)

$\dfrac{5x+6}{x^2-4} - \dfrac{x}{x^2-4} : \dfrac{x}{x-2} + 1$ ifodani soddalashtiring.

A) 1   B) −1   C) $\dfrac{x-2}{x+2}$ **D)** $\dfrac{x+2}{x-2}$

600. 2.1-2 file-» 23 - 11 - - 1 (704098)

$\left(\dfrac{1}{a(a+1)} + \dfrac{1}{(a+1)(a+2)}\right) \cdot \dfrac{a^2+2a}{8}$ ni soddalashtiring.

A) $\dfrac{1}{6}$ B) $\dfrac{1}{8}$ C) $\dfrac{3}{4}$ **D)** $\dfrac{1}{4}$

601. 2.1-2 file-» 19 - 2 - - 1 (704099)

$4\sqrt{7\dfrac{1}{2}} - \dfrac{2\sqrt{10}}{2\sqrt{3}-\sqrt{10}} + 8 + 3\sqrt{10}$ ni soddalashtiring.

A) $2-3\sqrt{10}$ B) 10   **C)** $3\sqrt{10}-2$
D) −10

602. 2.1-2 file-» 22 - 11 - - 2 (719086)

$\dfrac{3+\sqrt{7}}{3-\sqrt{7}} + \dfrac{3-\sqrt{7}}{3+\sqrt{7}}$ ning qiymatini toping.

A) $4+\sqrt{7}$ **B)** 16   C) $6\sqrt{7}$ D) 3

603. 2.1-2 file-» 22 - 12 - - 2 (719087)

$\dfrac{4-\sqrt{2}}{4+\sqrt{2}} + \dfrac{4+\sqrt{2}}{4-\sqrt{2}}$ ning qiymatini toping.

A) $\dfrac{8\sqrt{2}}{7}$ B) $8\sqrt{2}$ C) 6   **D)** $2\dfrac{4}{7}$

604. 2.1-2 file-» 22 - 14 - - 2 (719088)

$\left(\dfrac{x^{\frac{1}{2}}-y^{\frac{1}{2}}}{x-y} - \dfrac{1}{x^{\frac{1}{2}}-y^{\frac{1}{2}}}\right) \cdot \dfrac{x+2x^{\frac{1}{2}}\cdot y^{\frac{1}{2}}+y}{2y^{\frac{1}{2}}}$ ni soddalashtiring.

A) $\sqrt{x}+\sqrt{y}$ B) $\dfrac{1}{\sqrt{x}-\sqrt{y}}$

C) $\dfrac{\sqrt{y}-\sqrt{x}}{2(\sqrt{x}+\sqrt{y})}$ **D)** $\dfrac{\sqrt{x}+\sqrt{y}}{\sqrt{y}-\sqrt{x}}$

605. 2.1-2 file-» 23 - 2 - - 2 (719089)

$\dfrac{x^2-25}{x^2-6x+5}$ ni qisqartiring.

A) $\dfrac{x+5}{x-1}$ B) $\dfrac{x-5}{x-1}$ C) $\dfrac{x+5}{x+1}$ D) $\dfrac{x-5}{x+1}$

606. 2.1-2 file-» 23 - 2 - - 2 (719090)

$2\sqrt{3}+3 - \dfrac{11}{\sqrt{12}-1}$ ni soddalashtiring.

A) $2\sqrt{3}-4$ B) 4   C) −4   **D)** 2

607. 2.1-2 file-» 17 - 1 - - 2 (719091)

$13^2 - (x+7)^2 - (5-x)\cdot(19+x)$ ni soddalashtiring.

A) 0   B) 50   **C)** 25   D) 90

608. 2.1-2 file-» 13 - 1 - - 2 (719092)

$\left(\dfrac{1}{\sqrt{a}+\sqrt{b}} - \dfrac{\sqrt{a}+\sqrt{b}}{a-b}\right) \cdot \dfrac{\sqrt{a}-\sqrt{b}}{2\sqrt{b}}$ ni soddalashtiring.

A) $\dfrac{\sqrt{b}-\sqrt{a}}{\sqrt{a}+\sqrt{b}}$ B) $\dfrac{\sqrt{a}-\sqrt{b}}{\sqrt{a}+\sqrt{b}}$ C) $\dfrac{\sqrt{b}+\sqrt{a}}{\sqrt{a}-\sqrt{b}}$

D) $-\dfrac{1}{\sqrt{a}+\sqrt{b}}$

609. 2.1-2 file-» 2 - 1 - - 2 (719093)

$\dfrac{1}{2+\sqrt{3}} - \dfrac{2}{\sqrt{5}-\sqrt{3}} + \dfrac{1}{2+\sqrt{5}}$ ning qiymatini toping.

A) 4   B) 0   C) $\sqrt{5}-\sqrt{3}$ **D)** $-2\sqrt{3}$

610. 2.1-2 file-» 22 - 19 - - 2 (719094)

$\dfrac{4}{9}\cdot\left(4\dfrac{1}{2}y - 3\dfrac{3}{4}\right) - \dfrac{2}{7}\cdot\left(1\dfrac{1}{6} - 3\dfrac{1}{2}y\right)$ ni soddalashtiring.

A) $3y-2$ B) $2y+1$ C) $3y-1$
D) $\dfrac{2}{3}y - \dfrac{1}{3}$

611. 2.1-2 file-» 23 - 16 - - 2 (719095)

Agar $a-b=1$ va $(a^2-b^2)(a-b)=9$ bo'lsa, a^2+b^2 ning qiymatini toping.

A) 39   **B)** 41   C) 21   D) 20

612. 2.1-2 file-» 51 - 1 - - (719096)

$(a+1)^{-1} + (b+1)^{-1}$ ning $a=(2+\sqrt{3})^{-1}$ va $b=(2-\sqrt{3})^{-1}$ bo'lgandagi qiymatini hisoblang.

A) 6   **B)** 1   C) 3   D) 4

613. 2.1-2 file-» 51 - 1 - - (719097)

Javoblardan qaysi biri $\sqrt{\dfrac{3}{80}}$ ifodaga teng emas?

A) $\dfrac{\sqrt{3}}{\sqrt{16}\cdot\sqrt{5}}$ B) $\dfrac{\sqrt{15}}{20}$ C) $\dfrac{\sqrt{3}}{4\sqrt{5}}$ **D)** $\dfrac{\sqrt{3}}{5\sqrt{4}}$

614. 2.1-2 file-» 51 - 1 - - (719098)

$\dfrac{2^{\frac{1}{4}}\cdot\sqrt[3]{5}}{\sqrt[3]{100}}$ ni hisoblang.

A) $2^{\frac{11}{12}}\cdot 5^{-\frac{1}{3}}$ B) $2^{\frac{1}{12}}\cdot 5$ **C)** $2^{-\frac{5}{12}}\cdot 5^{-\frac{1}{3}}$
D) $2^{\frac{5}{12}}\cdot 5^{\frac{1}{3}}$

615. 2.1-2 file-» 51 - 1 - - (719099)

$x=-\dfrac{23}{48}$ bo'lganda $\sqrt{3x+2}$ ifodaning qiymatini toping.

A) $\dfrac{3}{4}$ B) $\dfrac{1}{4}$ C) $\dfrac{1}{2}$

D) $x=-\dfrac{23}{48}$ da ifoda ma'noga ega emas

616. 2.1-2 file-» 51 - 1 - - (719100)

$\dfrac{x^{0,5}}{x^{0,5}-5} - \dfrac{5}{x^{0,5}+5} + \dfrac{x}{25-x}$ ni soddalashtiring.

A) $\dfrac{x}{x-25}$ B) $\dfrac{x}{25-x}$ **C)** $\dfrac{25}{x-25}$

D) $\dfrac{25}{25-x}$

617. 2.1-2 file-» 51 - 1 - - (719101)

$\dfrac{a^{\frac{3}{2}}-b^{\frac{3}{2}}}{a^{\frac{3}{2}}b^{\frac{1}{2}}+ab+a^{\frac{1}{2}}b^{\frac{3}{2}}}$ ni soddalashtiring.

A) $\dfrac{\sqrt{a}-\sqrt{b}}{\sqrt{ab}}$ B) $\dfrac{\sqrt{a}+\sqrt{b}}{\sqrt{ab}}$ C) $-\dfrac{\sqrt{a}-\sqrt{b}}{\sqrt{ab}}$

D) $-\dfrac{\sqrt{a}+\sqrt{b}}{\sqrt{ab}}$

618. 2.1-2 file-» 51 - 1 - - (719102)

$\dfrac{25-x}{25-5x} + \dfrac{3x+5}{x^2-5x}$ ifodani soddalashtiring.

A) 5 B) 1 C) $\dfrac{x+5}{x}$ **D)** $\dfrac{x-5}{5x}$

619. 2.1-2 file-» 51 - 1 - - (719103)

$\sqrt{\dfrac{a^0 \cdot a^{-3,5} \cdot b^2}{a^{0,5} \cdot b^{-1}}}$ ifodani $a=10$ va $b=4$ dagi

qiymatini hisoblang.

A) $\dfrac{2}{25}$ B) $\dfrac{1}{50}$ C) $20\sqrt{10}$ D) $40\sqrt{20}$

620. 2.1-2 file-» 51 - 1 - - (719104)

$\left(\dfrac{a^2-b^2}{a^{\frac{3}{2}}+ab^{\frac{1}{2}}} - \dfrac{a-b}{a^{\frac{1}{2}}+b^{\frac{1}{2}}}\right) : \left(\dfrac{a}{b}\right)^{-1}$ ni

soddalashtiring.

A) $\sqrt{a}-\sqrt{b}$ B) $\sqrt{a}+\sqrt{b}$ C) $\sqrt{ab}$

D) $\sqrt{a-b}$

621. 2.1-2 file-» 51 - 1 - - (719105)

$5\sqrt{27} - \sqrt[5]{32} - \sqrt[3]{108} - 3\sqrt{75}$ ning qiymatini

hisoblang.

A) $\sqrt{3}-2-3\sqrt[3]{4}$ **B)** $-2-3\sqrt[3]{4}$

C) $2-3\sqrt[3]{4}$ D) $-\sqrt{3}-3\sqrt[3]{4}$

622. 2.1-2 file-» 51 - 1 - - (719106)

$\dfrac{a^2-16ab+64b^2}{a^2-14ab+48b^2}$ kasrni qisqartiring.

A) $\dfrac{a-8b}{a-6b}$ B) $\dfrac{a+8b}{a-6b}$ C) $\dfrac{a-8b}{a+6b}$

D) $\dfrac{a-6b}{a+8b}$

623. 2.1-2 file-» 51 - 1 - - (719107)

$\left(\dfrac{x+3}{x-3} - \dfrac{x}{x+3}\right) : \dfrac{x+1}{x+3}$ ni soddalashtiring.

A) $\dfrac{9}{x+3}$ B) $\dfrac{9}{3-x}$ **C)** $\dfrac{9}{x-3}$

D) $-\dfrac{9}{x+3}$

624. 2.1-2 file-» 51 - 2 - - (719108)

$1 - \dfrac{1}{1+\dfrac{1}{1-\dfrac{1}{a}}}$ ni soddalashtiring.

A) $\dfrac{3a}{2a-1}$ **B)** $\dfrac{a}{2a-1}$ C) $\dfrac{3a-2}{2a-1}$

D) $\dfrac{1}{2a-1}$

625. 2.1-2 file-» 51 - 2 - - (719109)

Agar $4^x + 4^{-x} = 23$ bo'lsa, $2^x + 2^{-x}$ ni aniqlang.

A) 5 B) $\sqrt{21}$ C) $2\sqrt{5}$ D) 3

626. 2.1-2 file-» 51 - 2 - - (719110)

$\dfrac{71^2 + 94 \cdot 42 - 23^2}{62^2 - 32^2}$ ni hisoblang.

A) 3 B) 1 C) 2 D) 4

627. 2.1-2 file-» 51 - 2 - - (719111)

$\left(\dfrac{1}{1-a} - a\right) : \dfrac{a^2-a+1}{a^2-2a+1}$ ni soddalashtiring.

A) $1-a$ B) $1+a$ C) 1 D) 2

628. 2.1-2 file-» 51 - 2 - - (719112)

$\dfrac{a^6 + 3a^4b^2 + 3a^2b^4 + b^6}{a^2 + b^2}$ ni soddalashtiring.

A) $a^3 + b^3$ B) $a^4 + b^4$ **C)** $\left(a^2+b^2\right)^2$

D) $(a+b)^3$

629. 2.1-2 file-» 51 - 2 - - (719113)

$\left(\dfrac{9m^{-3}}{5n^{-1}}\right)^{-2} \cdot 81m^{-6}n^3$ ni soddalashtiring.

A) $\left(\dfrac{81}{5}\right)^2 n$ **B)** $25n$ C) $25m^{-12}n^5$

D) $\left(\dfrac{81}{5}\right)^2 m^{-12}n^5$

630. 2.1-2 file-» 51 - 2 - - (719114)

$\dfrac{a^3 - 6a^2 + 7a}{a^3(a-3)^2 - 2a^3}$ ning $a=-\dfrac{1}{2}$ bo'lgandagi

qiymatini toping.

A) 2 B) 3 **C)** 4 D) 5

631. 2.1-2 file-» 51 - 2 - - (719115)

$$\dfrac{\dfrac{x}{x-\sqrt{2}} - \dfrac{\sqrt{2}}{x+\sqrt{2}}}{\dfrac{x^2+2}{x^2+x\sqrt{2}}}$$ ni soddalashtiring.

A) $\dfrac{x}{x-\sqrt{2}}$ B) $\dfrac{1}{x-\sqrt{2}}$ C) $\dfrac{x}{x^2+\sqrt{2}}$

D) $\dfrac{x}{x+\sqrt{2}}$

632. 2.1-3 file-» 23 - 5 - - (57092)

$\dfrac{1}{2+\sqrt{3}} + \dfrac{2}{\sqrt{3}-1} - 1$ ни ҳисобланг.

A) 2   B) 3   C) 4   D) $\sqrt{3}$

633. 2.1-3 file-» 16 - 3 - - 5 (69017)

Агар $\sqrt{t^5+3} - \sqrt{t^5-2} = 2$ бўлса, $\sqrt{t^5+3} + \sqrt{t^5-2}$ нинг қиймати нечага тенг бўлади?

A) 2   B) 3,5   C) 1   **D) 2,5**

634. 2.1-3 file-» 22 - 19 - - 4 (69928)

Агар $\dfrac{4b+a}{5a-7b} = \dfrac{7}{8}$ бўлса, $\dfrac{3a^2-4ab+b^2}{5a^2+3b^2}$ нинг қиймати нимага тенг бўлади?

A) $\dfrac{1}{3}$ B) $\dfrac{22}{47}$ C) 0,5   D) $\dfrac{9}{22}$

635. 2.1-3 file-» 16 - 4 - - 11 (72704)

Агар $\sqrt{13+z^3} - \sqrt{z^3-14} = 3,375$ бўлса, $\sqrt{13+z^3} + \sqrt{z^3-14}$ нинг қиймати нечага тенг бўлади?

A) 5   B) 6   C) 7   **D) 8**

636. 2.1-3 file-» 30 - 1 - - 12 (73437)

$\dfrac{x^3+1}{x^4+x^2+1}$ касрни қисқартиринг.

A) $\dfrac{x-1}{x^2-x+1}$ B) $\dfrac{x}{x+2}$ **C)** $\dfrac{x+1}{x^2+x+1}$

D) $\dfrac{x-2}{x^2-x-1}$

637. 2.1-3 file-» 22 - 20 - - 6 (96063)

$4y(5x-y) - (5x-2)(5x+2) + 2$ нинг энг катта қийматини топинг.

A) 6   B) 5   C) 4   D) 2

638. 2.1-3 file-» 16 - 5 - - 10 (96261)

$(x+6)(x+4)(x+2)x$ кўпайтманинг энг кичик қийматини топинг.

A) −25   B) 9   C) −9   **D) −16**

639. 2.1-3 file-» 19 - 4 - - 3 (105469)

n нинг нечта бутун қийматида $\dfrac{n^2-5n-2}{n+1}$ каср бутун сон бўлади?

A) 6   B) 2   C) 3   D) 4

640. 2.1-3 file-» 19 - 4 - - 3 (105476)

Агар $(\sqrt{3}+2)a = 1$ ва $(\sqrt{3}-2)b = -1$ бўлса, $(a+1)^{-1} - (b+1)^{-1}$ нинг қийматини ҳисобланг.

A) $\dfrac{1}{\sqrt{3}}$ B) 0,5   C) $\dfrac{2}{\sqrt{3}}$ D) $\sqrt{3}$

641. 2.1-3 file-» 2 - 6 - - 11 (108248)

Агар $a(x-1)^2 + b(x-1) + c = 2x^2 - 5x + 8$ айният бўлса, $a+b+c$ йиғинди нечага тенг бўлади?

A) 7   B) 8   **C) 6**   D) 4

642. 2.1-3 file-» 2 - 6 - - (108265)

Агар $\dfrac{5x+1}{x^2-x-12} = \dfrac{a}{x+3} + \dfrac{b}{x-4}$ айният бўлса, $b-a$ ни топинг.

A) 6   B) −1   C) −6   **D) 1**

643. 2.1-3 file-» 23 - 19 - - 2 (109066)

$\left(\dfrac{a^{\frac{1}{2}}+1}{a^{\frac{1}{2}}-1} + \dfrac{a^{\frac{1}{2}}-1}{a^{\frac{1}{2}}+1} - \dfrac{4}{a-1}\right)^{-3} - \dfrac{1}{4}$ ни соддалаштиринг.

A) $\dfrac{3}{8}$ B) $-\dfrac{5}{8}$ C) $\dfrac{1}{8}$ **D)** $-\dfrac{1}{8}$

644. 2.1-3 file-» 35 - 1 - - 1 (121817)

Агар $x = (\sqrt{8}-5)/2$ бўлса, $(x+1)(x+2)(x+3)(x+4)$ нинг қийматини ҳисобланг.

A) $\dfrac{7}{16}$ **B)** $-\dfrac{7}{16}$ C) 1   D) −1

645. 2.1-3 file-» 16 - 8 - - 3 (131394)

$\begin{cases} x^3 - y^3 = 152, \\ x - y = 2. \end{cases}$
$x \cdot y$ -?

A) 12   B) 4   **C) 24**   D) 6

646. 2.1-3 file-» 2 - 42 - - 4 (131674)

Агар $a = 39 - \sqrt{432}$ бўлса, $\sqrt{a} + \sqrt{3}$ ифоданинг қийматини аниқланг.

A) 4   **B) 6**   C) 5   D) $6+\sqrt{3}$

647. 2.1-3 file-» 19 - 7 - - 12 (136837)

$\left(\dfrac{\sqrt{y}-\sqrt{x}}{y-\sqrt{xy}+x} + \dfrac{x}{x\sqrt{x}+y\sqrt{y}}\right) \cdot \dfrac{x\sqrt{x}+y\sqrt{y}}{y}$ ни соддалаштиринг.

A) $\sqrt{x} + \sqrt{y}$ B) $\sqrt{x} - \sqrt{y}$ **C) 1**   D) $\sqrt{y}$

648. 2.1-3 file-» 37 - 1 - - 3 (140397)

Агар $\dfrac{4x^2-4xy+3y^2}{2y^2+2xy-5x^2} = 1$ бўлса, $\dfrac{2x-y}{2x+y}$ нинг қиймати нимага тенг?

A) $-\dfrac{1}{5}$ B) −2   C) $\dfrac{1}{2}$ D) $-\dfrac{1}{2}$

649. 2.1-3 file-» 37 - 2 - - 4 (140430)

Агар $\dfrac{4x^2 - 4xy + 3y^2}{2y^2 + 2xy - 5x^2} = 1$ бўлса, $\dfrac{4x - y}{4x + y}$ нинг қиймати нимага тенг?

A) $\dfrac{1}{7}$ B) -2 C) $\dfrac{1}{2}$ D) $-\dfrac{1}{2}$

650. 2.1-3 file-» 31 - 2 - - 5 (146236)

Ифодани соддалаштиринг:

$\left(\dfrac{20}{\sqrt{6} + 1} + \dfrac{4}{\sqrt{6} - 2} - \dfrac{12}{3 - \sqrt{6}}\right) \cdot$
$\cdot (2\sqrt{6} + 12).$

A) -115 B) 127 **C)** -120 D) -116

651. 2.1-3 file-» 31 - 2 - - 5 (146258)

Агар $a + a^{-1} = 6$ бўлса, $a^3 + a^{-3}$ ни ҳисобланг.

A) 216 **B)** 198 C) 234 D) 210

652. 2.1-3 file-» 22 - 25 - - 8 (151084)

$\sqrt{17 - 12\sqrt{2}} \cdot (9 + 6\sqrt{2})$ нинг қийматини ҳисобланг.

A) $2\sqrt{2}$ **B)** 3 C) $\sqrt{3 + \sqrt{8}}$ D) 2

653. 2.2-1 file-» 5 - 4 - - (13904)

Қуйидаги нуқталарнинг қайси бири $f(x) = -2x + 9$ функциянинг графигига тегишли?

A) $(-1; 1)$ **B)** $(2; 5)$ C) $(-5; 2)$ D) $(1; -1)$

654. 2.2-1 file-» 5 - 5 - - (13960)

Қуйидаги нуқталарнинг қайси бири $f(x) = -2x + 7$ функциянинг графигига тегишли?

A) $(1; 2)$ B) $(2; 1)$ **C)** $(3; 1)$ D) $(2; 4)$

655. 2.2-1 file-» 22 - 2 - - (14224)

Агар $f(x) = (3 + \dfrac{1}{x})(11 + 4x)$ бўлса, $f(-\dfrac{1}{2})$ ни топинг.

A) 9 B) -3 C) 15 D) -5

656. 2.2-1 file-» 22 - 3 - - (14283)

Агар $f(x) = (2x + 3)(\dfrac{3}{x} - 3)$ бўлса, $f(-1)$ ни топинг.

A) 0 B) 6 **C)** -6 D) -3

657. 2.2-1 file-» 22 - 4 - - (14342)

Агар $f(x) = (2x - \dfrac{1}{3})(4x + \dfrac{1}{4})$ бўлса, $f(\dfrac{1}{2})$ ни топинг.

A) $-4,5$ B) $\dfrac{7}{12}$ C) $4,5$ **D)** $1,5$

658. 2.2-1 file-» 22 - 11 - - (36183)

k нинг қандай қийматларида $y = \dfrac{k}{x} - 1$ функциянинг графиги $C(-2; -3)$ нуқтадан ўтади?

A) 1 **B)** 4 C) -1 D) $\dfrac{1}{2}$

659. 2.2-1 file-» 22 - 12 - - (36243)

k нинг қандай қийматида $y = kx^3 + 2$ функциянинг графиги $B(-2; -14)$ нуқтадан ўтади?

A) 2 B) 1 C) $-0,5$ D) -1

660. 2.2-1 file-» 22 - 1 - - (36744)

k нинг қандай қийматида $y = kx^2 - 2$ функциянинг графиги $A(-1; 0)$ нуқтадан ўтади?

A) 4 B) -3 C) 3 **D)** 2

661. 2.2-1 file-» 15 - 2 - - (56765)

Қуйидагилардан қайсилари ўсувчи функциялар?

1) $y = 3^{-x}$; 2) $y = (\sqrt[3]{10})^x$; 3) $y = (\dfrac{11}{9})^x$;

4) $y = (\dfrac{5}{3})^x$; 5) $y = (0,84)^x$.

A) $1; 2; 4$ B) $1; 2; 3$ C) $3; 4; 5$
D) $2; 3; 4$

662. 2.2-1 file-» 23 - 22 - - 1 (140324)

Тоқ функцияни кўрсатинг.

A) $f(x) = \cos^2 x - \cos x$
B) $f(x) = \cos x + \sin x$
C) $f(x) = (1 - \cos 2x) \cdot ctg x - 2x$
D) $f(x) = e^x + ctg x$

663. 2.2-1 file-» 5 - 4 - - (315159)

Quyidagi nuqtalarning qaysi biri $f(x) = -2x + 9$ funksiyaning grafigiga tegishli?

A) $(-1; 1)$ **B)** $(2; 5)$ C) $(-5; 2)$
D) $(1; -1)$

664. 2.2-1 file-» 5 - 5 - - (315160)

Quyidagi nuqtalarning qaysi biri $f(x) = -2x + 7$ funksiyaning grafigiga tegishli?

A) $(1; 2)$ B) $(2; 1)$ **C)** $(3; 1)$ D) $(2; 4)$

665. 2.2-1 file-» 22 - 2 - - (315161)

Agar $f(x) = (3 + \dfrac{1}{x})(11 + 4x)$ bo‘lsa, $f(-\dfrac{1}{2})$ ni toping.

A) 9 B) -3 C) 15 D) -5

666. 2.2-1 file-» 22 - 3 - - (315162)

Agar $f(x) = (2x + 3)(\dfrac{3}{x} - 3)$ bo‘lsa, $f(-1)$ ni toping.

A) 0 B) 6 **C)** -6 D) -3

667. 2.2-1 file-» 22 - 4 - - (315163)

Agar $f(x) = (2x - \frac{1}{3})(4x + \frac{1}{4})$ bo'lsa, $f(\frac{1}{2})$ ni toping.

A) $-4,5$ B) $\frac{7}{12}$ C) $4,5$ **D) $1,5$**

668. 2.2-1 file-» 22 - 11 - - (315164)

k ning qanday qiymatlarida $y = \frac{k}{x} - 1$ funksiyaning grafigi $C(-2;\ -3)$ nuqtadan o'tadi?

A) 1   **B) 4**   C) -1 D) $\frac{1}{2}$

669. 2.2-1 file-» 22 - 12 - - (315165)

k ning qanday qiymatida $y = kx^3 + 2$ funksiyaning grafigi $B(-2;\ -14)$ nuqtadan o'tadi?

A) 2   B) 1   C) $-0,5$ D) -1

670. 2.2-1 file-» 22 - 1 - - (315166)

k ning qanday qiymatida $y = kx^2 - 2$ funksiyaning grafigi $A(-1;\ 0)$ nuqtadan o'tadi?

A) 4   B) -3 C) 3   **D) 2**

671. 2.2-1 file-» 15 - 2 - - (315167)

Quyidagilardan qaysilari o'suvchi funksiyalar?

1) $y = 3^{-x}$; 2) $y = (\sqrt[3]{10})^x$; 3) $y = (\frac{11}{9})^x$;

4) $y = (\frac{5}{3})^x$; 5) $y = (0,84)^x$.

A) 1; 2; 4   B) 1; 2; 3   C) 3; 4; 5
D) 2; 3; 4

672. 2.2-1 file-» 23 - 22 - - 1 (315168)

Toq funksiyani ko'rsating.

A) $f(x) = \cos^2 x - \cos x$
B) $f(x) = \cos x + \sin x$
C) $f(x) = (1 - cos 2x) \cdot ctg x - 2x$
D) $f(x) = e^x + ctg\, x$

673. 2.2-1 file-» 50 - 109 - - (401681)

$x^2 - 18x + 85$ parabola uchining koordinatalari yig'indisini toping.

A) 13   B) -13 C) 36   D) -36

674. 2.2-1 file-» 50 - 109 - - (401682)

$x^2 + 16x + 51$ parabola uchining koordinatalari yig'indisini toping.

A) -21   B) 21   C) 104   D) -104

675. 2.2-1 file-» 50 - 109 - - (401683)

$x^2 - 14x + 54$ parabola uchining koordinatalari yig'indisini toping.

A) 12   B) -12 C) 35   D) -35

676. 2.2-1 file-» 50 - 109 - - (401684)

$x^2 + 12x + 23$ parabola uchining koordinatalari yig'indisini toping.

A) -19   B) 19   C) 78   D) -78

677. 2.2-1 file-» 50 - 109 - - (401685)

$x^2 - 10x + 32$ parabola uchining koordinatalari yig'indisini toping.

A) 12   B) -12 C) 35   D) -35

678. 2.2-1 file-» 50 - 109 - - (401686)

$x^2 + 18x - 40$ parabola uchining koordinatalari yig'indisini toping.

A) -130   B) 130   C) 1089   D) -1089

679. 2.2-1 file-» 50 - 109 - - (401687)

$x^2 - 16x - 32$ parabola uchining koordinatalari yig'indisini toping.

A) -88   B) 88   C) -768 D) 768

680. 2.2-1 file-» 50 - 109 - - (401688)

$x^2 + 14x - 54$ parabola uchining koordinatalari yig'indisini toping.

A) -110   B) 110   C) 721   D) -721

681. 2.2-1 file-» 50 - 109 - - (401689)

$x^2 - 12x - 13$ parabola uchining koordinatalari yig'indisini toping.

A) -43   B) 43   C) -294 D) 294

682. 2.2-1 file-» 50 - 109 - - (401690)

$x^2 - 10x - 31$ parabola uchining koordinatalari yig'indisini toping.

A) -51   B) 51   C) -280 D) 280

683. 2.2-1 file-» 50 - 109 - - (401691)

$x^2 - 18x + 77$ parabola uchining koordinatalari ko'paytmasini toping.

A) -36   B) 36   C) 5   D) -5

684. 2.2-1 file-» 50 - 109 - - (401692)

$x^2 + 16x + 41$ parabola uchining koordinatalari ko'paytmasini toping.

A) 184   B) -184 C) -31 D) 31

685. 2.2-1 file-» 50 - 109 - - (401693)

$x^2 - 14x + 34$ parabola uchining koordinatalari ko'paytmasini toping.

A) -105   B) 105   C) -8 D) 8

686. 2.2-1 file-» 50 - 109 - - (401694)

$x^2 + 12x + 13$ parabola uchining koordinatalari ko'paytmasini toping.

A) 138   B) -138 C) -29 D) 29

687. 2.2-1 file-» 50 - 109 - - (401695)

$x^2 - 10x + 22$ parabola uchining koordinatalari ko'paytmasini toping.

A) -15   B) 15   C) 2   D) -2

688. 2.2-1 file-» 50 - 109 - - (401696)
$x^2 + 18x - 31$ parabola uchining koordinatalari ko'paytmasini toping.
A) 1008   B) −1008   C) −121   D) 121

689. 2.2-1 file-» 50 - 109 - - (401697)
$x^2 - 16x - 22$ parabola uchining koordinatalari ko'paytmasini toping.
A) −688   B) 688   C) −78   D) 78

690. 2.2-1 file-» 50 - 109 - - (401698)
$x^2 + 14x - 64$ parabola uchining koordinatalari ko'paytmasini toping.
A) 791   B) −791   C) −120   D) 120

691. 2.2-1 file-» 50 - 109 - - (401699)
$x^2 - 12x - 23$ parabola uchining koordinatalari ko'paytmasini toping.
A) −354   B) 354   C) −53   D) 53

692. 2.2-1 file-» 50 - 109 - - (401700)
$x^2 + 10x - 21$ parabola uchining koordinatalari ko'paytmasini toping.
A) 230   B) −230   C) −51   D) 51

693. 2.2-1 file-» 50 - 109 - - (401701)
b va c ning qanday qiymatlarida $M(9; -4)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = -18; c = 77$ B) $b = 77; c = -18$
C) $b = 18; c = 77$ D) $b = 77; c = 18$

694. 2.2-1 file-» 50 - 109 - - (401702)
b va c ning qanday qiymatlarida $M(-8; -23)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = 16; c = 41$ B) $b = 41; c = 16$
C) $b = -16; c = 41$ D) $b = 41; c = -16$

695. 2.2-1 file-» 50 - 109 - - (401703)
b va c ning qanday qiymatlarida $M(7; -15)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = -14; c = 34$ B) $b = 34; c = -14$
C) $b = 14; c = 34$ D) $b = 34; c = 14$

696. 2.2-1 file-» 50 - 109 - - (401704)
b va c ning qanday qiymatlarida $M(-6; -23)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = 12; c = 13$ B) $b = 13; c = 12$
C) $b = -12; c = 13$ D) $b = 13; c = -12$

697. 2.2-1 file-» 50 - 109 - - (401705)
b va c ning qanday qiymatlarida $M(5; -3)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = -10; c = 22$ B) $b = 22; c = -10$
C) $b = 10; c = 22$ D) $b = 22; c = 10$

698. 2.2-1 file-» 50 - 109 - - (401706)
b va c ning qanday qiymatlarida $M(-9; -111)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = 18; c = -30$ B) $b = -30; c = 18$
C) $b = -18; c = -30$ D) $b = -30; c = -18$

699. 2.2-1 file-» 50 - 109 - - (401707)
b va c ning qanday qiymatlarida $M(8; -86)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = -16; c = -22$ B) $b = -22; c = -16$
C) $b = 16; c = -22$ D) $b = -22; c = 16$

700. 2.2-1 file-» 50 - 109 - - (401708)
b va c ning qanday qiymatlarida $M(-7; -123)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = 14; c = -74$ B) $b = -74; c = 14$
C) $b = -14; c = -74$ D) $b = -74; c = -14$

701. 2.2-1 file-» 50 - 109 - - (401709)
b va c ning qanday qiymatlarida $M(6; -59)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = -12; c = -23$ B) $b = -23; c = -12$
C) $b = 12; c = -23$ D) $b = -23; c = 12$

702. 2.2-1 file-» 50 - 109 - - (401710)
b va c ning qanday qiymatlarida $M(-5; -46)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = 10; c = -21$ B) $b = -21; c = 10$
C) $b = -10; c = -21$ D) $b = -21; c = -10$

703. 2.2-1 file-» 50 - 144 - - (704100)
$y = \dfrac{5(x-2)}{2 - x^{0,2}}$ funksiyaning aniqlanish sohasini toping.
A) $(0; 2) \cup (2; \infty)$ B) $(-\infty; 2) \cup (2; \infty)$
C) $(-\infty; 32) \cup (32; \infty)$
D) $(0; 32) \cup (32; \infty)$

704. 2.2-1 file-» 50 - 144 - - (704101)
$y = \dfrac{10(x-3)}{3 - x^{0,2}}$ funksiyaning aniqlanish sohasini toping.
A) $(0; 243) \cup (243; \infty)$ B) $(0; 3) \cup (3; \infty)$
C) $(-\infty; 3) \cup (3; \infty)$
D) $(-\infty; 243) \cup (243; \infty)$

705. 2.2-1 file-» 50 - 144 - - (704102)
$y = \dfrac{17(x-4)}{4 - x^{0,25}}$ funksiyaning aniqlanish sohasini toping.
A) $(-\infty; 256) \cup (256; \infty)$
B) $[0; 256) \cup (256; \infty)$ C) $[0; 4) \cup (4; \infty)$
D) $(-\infty; 4) \cup (4; \infty)$

706. 2.2-1 file-» 50 - 144 - - (704103)
$y = \dfrac{26(x-5)}{5 - x^{0,25}}$ funksiyaning aniqlanish sohasini toping.
A) $(-\infty; 5) \cup (5; \infty)$
B) $(-\infty; 625) \cup (625; \infty)$
C) $[0; 625) \cup (625; \infty)$ D) $[0; 5) \cup (5; \infty)$

707. 2.2-1 file-» 50 - 144 - - (704104)

$y = \dfrac{65\,(x - 8)}{8 - x^{0,5}}$ funksiyaning aniqlanish sohasini toping.

A) $[0;\ 8) \cup (8;\ \infty)$ B) $(-\infty;\ 8) \cup (8;\ \infty)$
C) $(-\infty;\ 64) \cup (64;\ \infty)$
D) $[0;\ 64) \cup (64;\ \infty)$

708. 2.2-1 file-» 50 - 144 - - (704105)

$y = \dfrac{5\,(x - 2)}{2 - x^{\frac{1}{6}}}$ funksiyaning aniqlanish sohasini toping.

A) $[0;\ 64) \cup (64;\ \infty)$ B) $[0;\ 2) \cup (2;\ \infty)$
C) $(-\infty;\ 2) \cup (2;\ \infty)$
D) $(-\infty;\ 64) \cup (64;\ \infty)$

709. 2.2-1 file-» 50 - 144 - - (704106)

$y = \dfrac{10\,(x - 3)}{3 - x^{0,25}}$ funksiyaning aniqlanish sohasini toping.

A) $(-\infty;\ 81) \cup (81;\ \infty)$
B) $[0;\ 81) \cup (81;\ \infty)$ C) $[0;\ 3) \cup (3;\ \infty)$
D) $(-\infty;\ 3) \cup (3;\ \infty)$

710. 2.2-1 file-» 50 - 144 - - (704107)

$y = \dfrac{17\,(x - 4)}{4 - x^{\frac{1}{3}}}$ funksiyaning aniqlanish sohasini toping.

A) $(-\infty;\ 4) \cup (4;\ \infty)$
B) $(-\infty;\ 64) \cup (64;\ \infty)$
C) $(0;\ 64) \cup (64;\ \infty)$ D) $(0;\ 4) \cup (4;\ \infty)$

711. 2.2-1 file-» 50 - 144 - - (704108)

$y = \dfrac{26\,(x - 5)}{5 - x^{\frac{1}{3}}}$ funksiyaning aniqlanish sohasini toping.

A) $(0;\ 5) \cup (5;\ \infty)$ B) $(-\infty;\ 5) \cup (5;\ \infty)$
C) $(-\infty;\ 125) \cup (125;\ \infty)$
D) $(0;\ 125) \cup (125;\ \infty)$

712. 2.2-1 file-» 50 - 144 - - (704109)

$y = \dfrac{65\,(x - 8)}{8 - x^{\frac{1}{3}}}$ funksiyaning aniqlanish sohasini toping.

A) $(0;\ 512) \cup (512;\ \infty)$ B) $(0;\ 8) \cup (8;\ \infty)$
C) $(-\infty;\ 8) \cup (8;\ \infty)$
D) $(-\infty;\ 512) \cup (512;\ \infty)$

713. 2.2-1 file-» 50 - 144 - - (704110)

$y = \log_2(x) - 15$ funksiyaning qiymatlar to'plamini toping.

A) $(15;\ \infty)$ B) $(-\infty;\ 15)$ **C)** $(-\infty;\ \infty)$
D) $(0;\ \infty)$

714. 2.2-1 file-» 50 - 144 - - (704111)

$y = \log_3(x) - 16$ funksiyaning qiymatlar to'plamini toping.

A) $(0;\ \infty)$ B) $(16;\ \infty)$ C) $(-\infty;\ 16)$
D) $(-\infty;\ \infty)$

715. 2.2-1 file-» 50 - 144 - - (704112)

$y = \log_4(x) - 17$ funksiyaning qiymatlar to'plamini toping.

A) $(-\infty;\ \infty)$ B) $(0;\ \infty)$ C) $(17;\ \infty)$
D) $(-\infty;\ 17)$

716. 2.2-1 file-» 50 - 144 - - (704113)

$y = \log_5(x) - 18$ funksiyaning qiymatlar to'plamini toping.

A) $(-\infty;\ 18)$ **B)** $(-\infty;\ \infty)$ C) $(0;\ \infty)$
D) $(18;\ \infty)$

717. 2.2-1 file-» 50 - 144 - - (704114)

$y = \log_2(x) - 19$ funksiyaning qiymatlar to'plamini toping.

A) $(19;\ \infty)$ B) $(-\infty;\ 19)$ **C)** $(-\infty;\ \infty)$
D) $(0;\ \infty)$

718. 2.2-1 file-» 50 - 144 - - (704115)

$y = \log_3(x) - 20$ funksiyaning qiymatlar to'plamini toping.

A) $(0;\ \infty)$ B) $(20;\ \infty)$ C) $(-\infty;\ 20)$
D) $(-\infty;\ \infty)$

719. 2.2-1 file-» 50 - 144 - - (704116)

$y = \log_4(x) - 21$ funksiyaning qiymatlar to'plamini toping.

A) $(-\infty;\ \infty)$ B) $(0;\ \infty)$ C) $(21;\ \infty)$
D) $(-\infty;\ 21)$

720. 2.2-1 file-» 50 - 144 - - (704117)

$y = \log_5(x) - 12$ funksiyaning qiymatlar to'plamini toping.

A) $(-\infty;\ 12)$ **B)** $(-\infty;\ \infty)$ C) $(0;\ \infty)$
D) $(12;\ \infty)$

721. 2.2-1 file-» 50 - 144 - - (704118)

$y = \log_2(x) - 13$ funksiyaning qiymatlar to'plamini toping.

A) $(13;\ \infty)$ B) $(-\infty;\ 13)$ **C)** $(-\infty;\ \infty)$
D) $(0;\ \infty)$

722. 2.2-1 file-» 50 - 144 - - (704119)

$y = \log_3(x) - 13$ funksiyaning qiymatlar to'plamini toping.

A) $(0;\ \infty)$ B) $(13;\ \infty)$ C) $(-\infty;\ 13)$
D) $(-\infty;\ \infty)$

723. 2.2-1 file-» 50 - 144 - - (704120)

$y = \left(\dfrac{1}{4}\right)^x - 5$ funksiyaning qiymatlar to'plamini toping.

A) $(0;\ \infty)$ B) $(-\infty;\ -5)$ **C)** $(-5;\ \infty)$
D) $(-\infty;\ \infty)$

724.   2.2-1 file-» 50 - 144 - -   (704121)
$y = \left(\dfrac{1}{6}\right)^x - 6$ funksiyaning qiymatlar to'plamini toping.
A) $(-\infty;\ \infty)$ B) $(0;\ \infty)$ C) $(-\infty;\ -6)$
D) $(-6;\ \infty)$

725.   2.2-1 file-» 50 - 144 - -   (704122)
$y = \left(\dfrac{1}{3}\right)^x - 7$ funksiyaning qiymatlar to'plamini toping.
A) $(-7;\ \infty)$ B) $(-\infty;\ \infty)$ C) $(0;\ \infty)$
D) $(-\infty;\ -7)$

726.   2.2-1 file-» 50 - 144 - -   (704123)
$y = \left(\dfrac{1}{5}\right)^x - 8$ funksiyaning qiymatlar to'plamini toping.
A) $(-\infty;\ -8)$ **B)** $(-8;\ \infty)$ C) $(-\infty;\ \infty)$
D) $(0;\ \infty)$

727.   2.2-1 file-» 50 - 144 - -   (704124)
$y = \left(\dfrac{1}{2}\right)^x - 9$ funksiyaning qiymatlar to'plamini toping.
A) $(0;\ \infty)$ B) $(-\infty;\ -9)$ **C)** $(-9;\ \infty)$
D) $(-\infty;\ \infty)$

728.   2.2-1 file-» 50 - 144 - -   (704125)
$y = \left(\dfrac{1}{3}\right)^x - 10$ funksiyaning qiymatlar to'plamini toping.
A) $(-\infty;\ \infty)$ B) $(0;\ \infty)$ C) $(-\infty;\ -10)$
D) $(-10;\ \infty)$

729.   2.2-1 file-» 50 - 144 - -   (704126)
$y = \left(\dfrac{1}{4}\right)^x - 11$ funksiyaning qiymatlar to'plamini toping.
A) $(-11;\ \infty)$ B) $(-\infty;\ \infty)$ C) $(0;\ \infty)$
D) $(-\infty;\ -11)$

730.   2.2-1 file-» 50 - 144 - -   (704127)
$y = \left(\dfrac{1}{5}\right)^x - 12$ funksiyaning qiymatlar to'plamini toping.
A) $(-\infty;\ -12)$ **B)** $(-12;\ \infty)$
C) $(-\infty;\ \infty)$ D) $(0;\ \infty)$

731.   2.2-1 file-» 50 - 144 - -   (704128)
$y = \left(\dfrac{1}{2}\right)^x - 13$ funksiyaning qiymatlar to'plamini toping.
A) $(0;\ \infty)$ B) $(-\infty;\ -13)$ **C)** $(-13;\ \infty)$
D) $(-\infty;\ \infty)$

732.   2.2-1 file-» 50 - 144 - -   (704129)
$y = \left(\dfrac{1}{6}\right)^x - 16$ funksiyaning qiymatlar to'plamini toping.
A) $(-\infty;\ \infty)$ B) $(0;\ \infty)$ C) $(-\infty;\ -16)$
D) $(-16;\ \infty)$

733.   2.2-1 file-» 51 - 1 - -   (719116)
Quyidagi nuqtalardan qaysi biri $f(x) = -3x + 10$ funksiyaning grafigiga tegishli?
A) $(3;\ -5)$ B) $(-3;\ 5)$ C) $(5;\ -3)$
D) $(2;\ 4)$

734.   2.2-1 file-» 51 - 1 - -   (719117)
$f(x) = 5 - log_3 x$ funksiyaning qiymatlari to'plamini toping.
A) $(-\infty;\ \infty)$ B) $(0;\ \infty)$ C) $(5;\ \infty)$
D) $(-\infty;\ 5)$

735.   2.2-1 file-» 51 - 1 - -   (719118)
$f(x) = \dfrac{4}{2 - x^{\frac{1}{3}}}$ funksiyaning aniqlanish sohasini toping.
A) $(-\infty;\ 8) \cup (8;\ \infty)$ B) $(0;\ 8) \cup (8;\ \infty)$
C) $(0;\ 2) \cup (2;\ \infty)$ D) $[0;\ \infty)$

736.   2.2-1 file-» 51 - 1 - -   (719119)
$M(-2;\ -100),\ N(2;\ 100)$ va $K(\dfrac{1}{5};\ -1)$ nuqtalardan qaysilari $y = -25x^2$ funksiyaning grafigiga tegishli?
A) $M,\ N$ B) $N,\ K$ **C)** $M,\ K$
D) $M,\ N,\ K$

737.   2.2-1 file-» 51 - 1 - -   (719120)
$y_1 = x^8 - 3x^4,\ y_2 = (x + 2)^2 - (x - 2)^2,$
$y_3 = x^4 - x^2$ va $y_4 = x^9 + \dfrac{1}{x^5}$ funksiyalardan qaysilari toq?
A) $y_1;\ y_4$ B) $y_2;\ y_3$ C) $y_1;\ y_3$
D) $y_2;\ y_4$

738.   2.2-1 file-» 51 - 1 - -   (719121)
$y_1 = \dfrac{1}{x^4 - x^2 - 1},\ y_2 = x^3 - x,$
$y_3 = (x + 1)^2 - (x - 1)^2$ va $y_4 = \dfrac{11}{x^4 - 3}$ funksiyalardan qaysilari juft?
A) $y_1;\ y_4$ B) $y_2;\ y_4$ C) $y_1;\ y_3$
D) $y_2;\ y_3$

739.   2.2-1 file-» 51 - 2 - -   (719122)
$P\,(6;\ 4),\ Q\,(7;\ 4),\ R\,(6;\ -4)$ va $S\,(7;\ 3)$ nuqtalardan qaysilari $(x - 3)^2 + y^2 = 25$ aylananing grafigida yotadi?
A) $P,\ Q,\ R$ B) $Q,\ R,\ S$ **C)** $P,\ R,\ S$
D) $P,\ Q,\ S$

740.   2.2-1 file-» 51 - 2 - -   (719123)
$2x + 4y = 5$ funksiyaning grafigi koordinata tekisligining qaysi choragida yotadi?
A) *I; II*   B) *II; III; IV*   **C)** *IV; I; II*
D) *IV; II*

741.   2.2-1 file-» 51 - 2 - -   (719124)
$y = \dfrac{1}{2}(x + 2)$ funksiyaga teskari funksiyani toping.

A) $y = 2(x - 1)$ B) $y = \dfrac{2}{x + 2}$

C) $y = -\dfrac{1}{2}(x + 2)$ D) $y = \dfrac{2}{x} + 1$

742.   2.2-1 file-» 58 - 1 - -   (719125)
Quyida keltirilgan funksiyalardan qaysilari juft funksiyalar?
1) $y = \dfrac{\sin\left(x^3 + \dfrac{\pi x}{8}\right)}{\sqrt{1 + |x|}}$;
2) $y = x^2\sqrt{9 - x}$;
3) $y = x^4 - |x|$;
4) $y = 2^{|x|}\cos\sqrt[3]{x^3 - x}$;
5) $y = \dfrac{|x + 3| + |x - 3|}{x^4}$
A) *2, 4, 5*   **B)** *3, 4, 5*   C) *1, 2, 5*
D) *1, 4, 5*

743.   2.2-1 file-» - 152 - -   (719126)
$y = \dfrac{4}{2 - x^{0,2}}$ funksiyaning aniqlanish sohasini toping.
A) $(0;\ 2) \cup (2;\ \infty)$ B) $(-\infty;\ 2) \cup (2;\ \infty)$
C) $(-\infty;\ 32) \cup (32;\ \infty)$
D) $(0;\ 32) \cup (32;\ \infty)$

744.   2.2-1 file-» - 152 - -   (719127)
$y = \dfrac{9}{3 - x^{0,2}}$ funksiyaning aniqlanish sohasini toping.
A) $(0;\ 243) \cup (243;\ \infty)$ B) $(0;\ 3) \cup (3;\ \infty)$
C) $(-\infty;\ 3) \cup (3;\ \infty)$
D) $(-\infty;\ 243) \cup (243;\ \infty)$

745.   2.2-1 file-» - 152 - -   (719133)
$y = \dfrac{16}{4 - x^{\frac{1}{3}}}$ funksiyaning aniqlanish sohasini toping.
A) $(-\infty;\ 4) \cup (4;\ \infty)$
B) $(-\infty;\ 64) \cup (64;\ \infty)$
C) $(0;\ 64) \cup (64;\ \infty)$ D) $(0;\ 4) \cup (4;\ \infty)$

746.   2.2-1 file-» - 152 - -   (719134)
$y = \dfrac{25}{5 - x^{\frac{1}{3}}}$ funksiyaning aniqlanish sohasini toping.
A) $(0;\ 5) \cup (5;\ \infty)$ B) $(-\infty;\ 5) \cup (5;\ \infty)$
C) $(-\infty;\ 125) \cup (125;\ \infty)$
D) $(0;\ 125) \cup (125;\ \infty)$

747.   2.2-1 file-» - 152 - -   (719135)
$y = \dfrac{64}{8 - x^{\frac{1}{3}}}$ funksiyaning aniqlanish sohasini toping.
A) $(0;\ 512) \cup (512;\ \infty)$ B) $(0;\ 8) \cup (8;\ \infty)$
C) $(-\infty;\ 8) \cup (8;\ \infty)$
D) $(-\infty;\ 512) \cup (512;\ \infty)$

748.   2.2-1 file-» - 152 - -   (719136)
$y = 12 - \log_2(x)$ funksiyaning qiymatlar to'plamini toping.
A) $(12;\ \infty)$ B) $(-\infty;\ 12)$ **C)** $(-\infty;\ \infty)$
D) $(0;\ \infty)$

749.   2.2-1 file-» - 152 - -   (719137)
$y = 13 - \log_3(x)$ funksiyaning qiymatlar to'plamini toping.
A) $(0;\ \infty)$ B) $(13;\ \infty)$ C) $(-\infty;\ 13)$
D) $(-\infty;\ \infty)$

750.   2.2-1 file-» - 152 - -   (719138)
$y = 14 - \log_4(x)$ funksiyaning qiymatlar to'plamini toping.
A) $(-\infty;\ \infty)$ B) $(0;\ \infty)$ C) $(14;\ \infty)$
D) $(-\infty;\ 14)$

751.   2.2-1 file-» - 152 - -   (719139)
$y = 15 - \log_5(x)$ funksiyaning qiymatlar to'plamini toping.
A) $(-\infty;\ 15)$ **B)** $(-\infty;\ \infty)$ C) $(0;\ \infty)$
D) $(15;\ \infty)$

752.   2.2-1 file-» - 152 - -   (719140)
$y = 16 - \log_2(x)$ funksiyaning qiymatlar to'plamini toping.
A) $(16;\ \infty)$ B) $(-\infty;\ 16)$ **C)** $(-\infty;\ \infty)$
D) $(0;\ \infty)$

753.   2.2-1 file-» - 152 - -   (719141)
$y = 17 - \log_3(x)$ funksiyaning qiymatlar to'plamini toping.
A) $(0;\ \infty)$ B) $(17;\ \infty)$ C) $(-\infty;\ 17)$
D) $(-\infty;\ \infty)$

754.   2.2-1 file-» - 152 - -   (719142)
$y = 18 - \log_4(x)$ funksiyaning qiymatlar to'plamini toping.
A) $(-\infty;\ \infty)$ B) $(0;\ \infty)$ C) $(18;\ \infty)$
D) $(-\infty;\ 18)$

755. 2.2-1 file-» - 152 - - (719143)
$y = 19 - \log_5(x)$ funksiyaning qiymatlar to'plamini toping.
A) $(-\infty; 19)$ **B)** $(-\infty; \infty)$ C) $(0; \infty)$
D) $(19; \infty)$

756. 2.2-1 file-» - 152 - - (719144)
$y = 20 - \log_2(x)$ funksiyaning qiymatlar to'plamini toping.
A) $(20; \infty)$ B) $(-\infty; 20)$ **C)** $(-\infty; \infty)$
D) $(0; \infty)$

757. 2.2-1 file-» - 152 - - (719145)
$y = 21 - \log_3(x)$ funksiyaning qiymatlar to'plamini toping.
A) $(0; \infty)$ B) $(21; \infty)$ C) $(-\infty; 21)$
D) $(-\infty; \infty)$

758. 2.2-1 file-» - 152 - - (719146)
$y = 2 + \left(\frac{1}{4}\right)^x$ funksiyaning qiymatlar to'plamini toping.
A) $(0; \infty)$ B) $(-\infty; 2)$ **C)** $(2; \infty)$
D) $(-\infty; \infty)$

759. 2.2-1 file-» - 152 - - (719147)
$y = 3 + \left(\frac{1}{6}\right)^x$ funksiyaning qiymatlar to'plamini toping.
A) $(-\infty; \infty)$ B) $(0; \infty)$ C) $(-\infty; 3)$
D) $(3; \infty)$

760. 2.2-1 file-» - 152 - - (719148)
$y = 4 + \left(\frac{1}{3}\right)^x$ funksiyaning qiymatlar to'plamini toping.
A) $(4; \infty)$ B) $(-\infty; \infty)$ C) $(0; \infty)$
D) $(-\infty; 4)$

761. 2.2-1 file-» - 152 - - (719149)
$y = 5 + \left(\frac{1}{5}\right)^x$ funksiyaning qiymatlar to'plamini toping.
A) $(-\infty; 5)$ **B)** $(5; \infty)$ C) $(-\infty; \infty)$
D) $(0; \infty)$

762. 2.2-1 file-» - 152 - - (719150)
$y = 6 + \left(\frac{1}{2}\right)^x$ funksiyaning qiymatlar to'plamini toping.
A) $(0; \infty)$ B) $(-\infty; 6)$ **C)** $(6; \infty)$
D) $(-\infty; \infty)$

763. 2.2-1 file-» - 152 - - (719151)
$y = 7 + \left(\frac{1}{3}\right)^x$ funksiyaning qiymatlar to'plamini toping.
A) $(-\infty; \infty)$ B) $(0; \infty)$ C) $(-\infty; 7)$
D) $(7; \infty)$

764. 2.2-1 file-» - 152 - - (719152)
$y = 8 + \left(\frac{1}{4}\right)^x$ funksiyaning qiymatlar to'plamini toping.
A) $(8; \infty)$ B) $(-\infty; \infty)$ C) $(0; \infty)$
D) $(-\infty; 8)$

765. 2.2-1 file-» - 152 - - (719153)
$y = 9 + \left(\frac{1}{5}\right)^x$ funksiyaning qiymatlar to'plamini toping.
A) $(-\infty; 9)$ **B)** $(9; \infty)$ C) $(-\infty; \infty)$
D) $(0; \infty)$

766. 2.2-1 file-» - 152 - - (719154)
$y = 10 + \left(\frac{1}{2}\right)^x$ funksiyaning qiymatlar to'plamini toping.
A) $(0; \infty)$ B) $(-\infty; 10)$ **C)** $(10; \infty)$
D) $(-\infty; \infty)$

767. 2.2-1 file-» - 152 - - (719155)
$y = 13 + \left(\frac{1}{6}\right)^x$ funksiyaning qiymatlar to'plamini toping.
A) $(-\infty; \infty)$ B) $(0; \infty)$ C) $(-\infty; 13)$
D) $(13; \infty)$

768. 2.2-2 file-» 6 - 4 - - (401711)
$y = \sqrt{\dfrac{(x-5)(x-2)}{(4-x)(x-3)}}$ funksiyaning aniqlanish sohasini toping.
A) $(2;3) \cup (4;5)$ **B)** $[2;3] \cup (4;5]$
C) $(2;3] \cup [4;5)$ D) $(-\infty;2] \cup (3;4) \cup [5;\infty)$

769. 2.2-2 file-» 6 - 5 - - (401712)
$y = \sqrt{\dfrac{(x-4)(2-x)}{(x+1)x}}$ funksiyaning aniqlanish sohasini toping.
A) $(-1;0) \cup [2;4]$ B) $[-1;0] \cup (2;4)$
C) $(-1;0] \cup [2;4)$
D) $(-\infty;-1) \cup (0;2] \cup [4;\infty)$

770. 2.2-2 file-» 6 - 6 - - (401713)
$y = \sqrt{\dfrac{(x-2)(4-x)}{x(x+3)}}$ funksiyaning aniqlanish sohasini toping.
A) $[-3;0] \cup (2;4)$ **B)** $(-3;0) \cup [2;4]$
C) $(-3;0] \cup [2;4)$
D) $(-\infty;-3) \cup (0;2) \cup (4;\infty)$

771. 2.2-2 file-» 22 - 11 - - (401714)
Quyidagilardan qaysi biri juft funksiya?
A) $y = \dfrac{(x-8)^2}{3}$ B) $y = 2x \mid x \mid +5$
C) $y = \dfrac{x^4 + x^2 + 1}{2}$ D) $y = \dfrac{7x}{x^2 - 9}$

772.   2.2-2 file-» 22 - 14 - -   (401715)

Quyidagilardan qaysi biri $y = \dfrac{3}{x+1} - 2$

funksiyaga teskari funksiya?

A) $y = \dfrac{3}{x+2} - 1$ B) $y = \dfrac{x+1}{3} - 2$

C) $y = \dfrac{x+1}{3} - \dfrac{1}{2}$ D) $y = \dfrac{3}{x-2} + 1$

773.   2.2-2 file-» 22 - 1 - -   (401716)

Quyidagi funksiyalardan qaysi biri toq?

A) $y = \dfrac{x^4 - 2x^2}{3x}$ B) $y = \dfrac{x(x-4)(x-2)}{x^2 - 6x + 8}$

C) $y = \dfrac{9x^2}{x^2 - 25}$ D) $y = |x+1| + x^2$

774.   2.2-2 file-» 6 - 3 - -   (401717)

$y = \sqrt{\dfrac{(x-3)(x-1)}{x(4-x)}}$ funksiyaning aniqlanish

sohasini toping.

A) $[0;1) \cup [3;4)$ B) $(0;1) \cup [3;4)$
C) $(0;1] \cup [3;4)$ D) $(-\infty;0) \cup (1;3] \cup (4;\infty)$

775.   2.2-2 file-» 12 - 1 - -   (401718)

Juft funksiyalarni toping.
$y_1 = 3^x + 3^{-x}$, $y_2 = 3x^5 + x^3$,
$y_3 = \sqrt{20 - x + x^2} + \sqrt{20 + x + x^2}$,
$y_4 = log_3 4x + 1$, $y_5 = x^2 + lg|x|$.

A) y_1, y_2 B) y_1, y_4 C) y_2 **D)** y_1, y_3, y_5

776.   2.2-2 file-» 13 - 4 - -   (401719)

Quyida berilganlardan toq funksiyani toping.

A) $y = |x| - 1$ **B)** $y = x(|x| + 1)$
C) $y = -cosx$ D) $y = \begin{cases} -x, x \geq 0, \\ x, x < 0 \end{cases}$

777.   2.2-2 file-» 19 - 1 - - 3   (401720)

a ning qanday qiymatlarida
$y = 9x^2 - 12x - 17,5a$ parabola abssissalar o'qi
bilan ikkita umumiy nuqtaga ega bo'ladi?

A) $a > -\dfrac{8}{35}$ B) $a < \dfrac{4}{35}$ C) $a > \dfrac{4}{35}$

D) $a < \dfrac{18}{35}$

778.   2.2-2 file-» 22 - 19 - - 4   (401721)

$y = \dfrac{k}{x-2}$ $(k < 0)$ funksiyaning grafigi qaysi

choraklar orqali o'tadi?

A) I va III **B)** I, II va IV C) II, III, IV
D) I, II va III

779.   2.2-2 file-» 22 - 19 - - 4   (401722)

Agar $2x + y = 2\sqrt{7}$ bo'lsa, xy ning eng katta
qiymati nechaga teng bo'ladi?

A) $2,5$ B) $4,5$ C) 3 **D)** $3,5$

780.   2.2-2 file-» 23 - 11 - - 9   (401723)

$\dfrac{x^2 + 2x + 9}{x^2 + 2x + 3,5}$ ifodaning eng katta qiymatini

toping.

A) $3,5$ **B)** $3,2$ C) $2,4$ D) $2,8$

781.   2.2-2 file-» 23 - 16 - - 1   (401724)

Agar $m > 0$, $n > 0$ va $m + n = 14\sqrt{2}$ bo'lsa, mn
ning eng katta qiymatini toping.

A) 98 B) 72 C) 64 D) 60

782.   2.2-2 file-» 2 - 6 - -   (401725)

$f(x) = 3x^2 + 6x + a + 6$ funksiyaning eng kichik
qiymati 5 ga teng bo'lsa, a ning qiymati nechaga
teng?

A) 2 B) 6 C) -6 D) 4

783.   2.2-2 file-» 50 - 145 - -   (704130)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola

va $y = kx + l$ to'g'ri chiziq $M(-1;\ -2)$ nuqtadan
o'tadi?

A) $2;\ -4$ B) $-2;\ 0$ C) $2;\ 4$ **D)** $2;\ 0$

784.   2.2-2 file-» 50 - 145 - -   (704131)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola

va $y = kx + l$ to'g'ri chiziq $M(-1;\ -5)$ nuqtadan
o'tadi?

A) $5;\ 0$ B) $5;\ -10$ C) $-5;\ 0$ D) $5;\ 10$

785.   2.2-2 file-» 50 - 145 - -   (704132)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola

va $y = kx + l$ to'g'ri chiziq $M(-1;\ 1)$ nuqtadan
o'tadi?

A) $-1;\ -2$ **B)** $-1;\ 0$ C) $-1;\ 2$ D) $1;\ 0$

786.   2.2-2 file-» 50 - 145 - -   (704133)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola

va $y = kx + l$ to'g'ri chiziq $M(-4;\ -2)$ nuqtadan
o'tadi?

A) $-8;\ 30$ B) $8;\ 34$ **C)** $8;\ 30$
D) $8;\ -34$

787.   2.2-2 file-» 50 - 145 - -   (704134)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola

va $y = kx + l$ to'g'ri chiziq $M(2;\ -2)$ nuqtadan
o'tadi?

A) $-4;\ -10$ B) $4;\ 6$ C) $-4;\ 10$
D) $-4;\ 6$

788. 2.2-2 file-» 50 - 145 - - (704135)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(-2; -3)$ nuqtadan o'tadi?

A) 6; 9 B) 6; −15 C) −6; 9 D) 6; 15

789. 2.2-2 file-» 50 - 145 - - (704136)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(-2; -7)$ nuqtadan o'tadi?

A) 14; 35 **B)** 14; 21 C) 14; −35
D) −14; 21

790. 2.2-2 file-» 50 - 145 - - (704137)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(-2; 1)$ nuqtadan o'tadi?

A) 2; −3 B) −2; −5 **C)** −2; −3
D) −2; 5

791. 2.2-2 file-» 50 - 145 - - (704138)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(-6; -3)$ nuqtadan o'tadi?

A) 18; −111 B) −18; 105 C) 18; 111
D) 18; 105

792. 2.2-2 file-» 50 - 145 - - (704139)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(2; -3)$ nuqtadan o'tadi?

A) −6; 9 B) −6; −15 C) 6; 9
D) −6; 15

793. 2.2-2 file-» 50 - 145 - - (704140)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(-3; -4)$ nuqtadan o'tadi?

A) 12; 40 **B)** 12; 32 C) 12; −40
D) −12; 32

794. 2.2-2 file-» 50 - 145 - - (704141)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(-3; -9)$ nuqtadan o'tadi?

A) −27; 72 B) 27; 90 **C)** 27; 72
D) 27; −90

795. 2.2-2 file-» 50 - 145 - - (704142)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(-3; 1)$ nuqtadan o'tadi?

A) −3; 10 B) 3; −8 C) −3; −10
D) −3; −8

796. 2.2-2 file-» 50 - 145 - - (704143)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(-8; -4)$ nuqtadan o'tadi?

A) 32; 252 B) 32; −260 C) −32; 252
D) 32; 260

797. 2.2-2 file-» 50 - 145 - - (704144)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(2; -4)$ nuqtadan o'tadi?

A) −8; 20 **B)** −8; 12 C) −8; −20
D) 8; 12

798. 2.2-2 file-» 51 - 1 - - (719156)

$y = \sqrt{\dfrac{(x-4)(2-x)}{(x+1)x}}$ funksiyaning aniqlanish sohasini toping.

A) $(-1; 0) \cup [2; 4]$ B) $[-1; 0] \cup (2; 4)$
C) $(-1; 0] \cup [2; 4)$
D) $(-\infty; -1) \cup (0; 2] \cup [4; \infty)$

799. 2.2-2 file-» 51 - 1 - - (719157)
$y = \sqrt{(11-x)(x+5)}$ funksiyaning aniqlanish sohasini toping.

A) $(-\infty; -5]$ B) $[11; \infty)$ **C)** $[-5; 11]$
D) $(-\infty; 11]$

800. 2.2-2 file-» 51 - 1 - - (719158)
To'g'ri to'rtburchakning tomonlari 3 va 7 sm. Shu to'rtburchakning katta tomoni a sm ga kichiklashtirildi, kichik tomonini esa shunchaga uzaytirildi. a ning qanday qiymatida hosil bo'lgan to'g'ri to'rtburchakning yuzi eng katta qiymatga ega bo'ladi?

A) 1 **B)** 2 C) 3 D) 4

801. 2.2-2 file-» 51 - 1 - - (719159)
$f(x) = x^2 - 6x + 4$ parabola uchining koordinatalari yig'indisini toping.

A) −8 B) 10 **C)** −2 D) 8

802. 2.2-2 file-» 51 - 1 - - (719160)
b va c ning qanday qiymatlarida $M(3; 5)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?

A) 6; 14 **B)** −6; 14 C) 6; −14
D) −6; −14

803.   2.2-2 file-» 51 - 1 - -   (719161)
$y = \sqrt{(x-2)(x-12)(x+4)}$ funksiyaning aniqlanish sohasini toping.

A) $[-4;\ 2] \cup [12;\ \infty)$ B) $(-\infty;\ -4] \cup [2;\ 12]$
C) $(-\infty;\ 2] \cup [12;\ \infty)$ D) $[-4;\ 12]$

804.   2.2-2 file-» 51 - 1 - -   (719162)
$y = \dfrac{2}{lg(4+x)} - \sqrt{12-x}$ funksiyaning aniqlanish sohasini toping.

A) $(-4;\ -3] \cup (-3;\ 12]$ B) $(-4;\ 12]$
C) $(-4;\ 12)$ D) $(-\infty;\ -3) \cup (-3;\ 12]$

805.   2.2-2 file-» 58 - 1 - -   (719163)
Agar $f(x) = \dfrac{5x+1}{x-4}$ bo'lsa, $f(x+2) - f(x+6)$ nimaga teng bo'ladi?

A) $\dfrac{84}{x^2-4}$ B) $\dfrac{84x}{x^2-4}$ C) $\dfrac{84}{x-2}$

D) $\dfrac{42}{x^2-4}$

806.   2.2-2 file-» 58 - 1 - -   (719164)
$y = \dfrac{3-x}{x^2+7}$ funksiyaning kamayish oralig'i uzunligini aniqlang.

A) 3   B) 7   **C)** 8   D) 10

807.   2.2-2 file-» - 153 - -   (719165)
k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(1;\ 2)$ nuqtadan o'tadi?

A) 2; 0   B) 2; 4   C) -2; 0   D) 2; -4

808.   2.2-2 file-» - 153 - -   (719166)
k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(1;\ 5)$ nuqtadan o'tadi?

A) 5; -10 **B)** 5; 0   C) 5; 10   D) -5; 0

809.   2.2-2 file-» - 153 - -   (719167)
k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(1;\ -1)$ nuqtadan o'tadi?

A) 1; 0   B) -1; 2   **C)** -1; 0   D) -1; -2

810.   2.2-2 file-» - 153 - -   (719168)
k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(4;\ 2)$ nuqtadan o'tadi?

A) 8; 34   B) -8; -30 C) 8; -34
D) 8; -30

811.   2.2-2 file-» - 153 - -   (719169)
k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(-2;\ 2)$ nuqtadan o'tadi?

A) -4; -6 B) -4; 10   C) 4; -6
D) -4; -10

812.   2.2-2 file-» - 153 - -   (719170)
k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(2;\ 3)$ nuqtadan o'tadi?

A) 6; -15 **B)** 6; -9 C) 6; 15
D) -6; -9

813.   2.2-2 file-» - 153 - -   (719171)
k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(2;\ 7)$ nuqtadan o'tadi?

A) -14; -21 B) 14; -35 **C)** 14; -21
D) 14; 35

814.   2.2-2 file-» - 153 - -   (719172)
k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(2;\ -1)$ nuqtadan o'tadi?

A) -2; -5 B) 2; 3   C) -2; 5   **D)** -2; 3

815.   2.2-2 file-» - 153 - -   (719173)
k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(6;\ 3)$ nuqtadan o'tadi?

A) 18; -105 B) 18; 111   C) -18; -105
D) 18; -111

816.   2.2-2 file-» - 153 - -   (719174)
k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(-2;\ 3)$ nuqtadan o'tadi?

A) -6; -15 **B)** -6; -9 C) -6; 15
D) 6; -9

817.   2.2-2 file-» - 153 - -   (719175)
k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(3;\ 4)$ nuqtadan o'tadi?

A) -12; -32 B) 12; -40 **C)** 12; -32
D) 12; 40

818. 2.2-2 file-» - 153 - - (719176)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(3; 9)$ nuqtadan o'tadi?

A) 27; 90   B) −27; −72   C) 27; −90
D) 27; −72

819. 2.2-2 file-» - 153 - - (719177)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(3; -1)$ nuqtadan o'tadi?

A) −3; 8   B) −3; −10   C) 3; 8
D) −3; 10

820. 2.2-2 file-» - 153 - - (719178)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(8; 4)$ nuqtadan o'tadi?

A) 32; −260   **B) 32; −252**   C) 32; 260
D) −32; −252

821. 2.2-2 file-» - 153 - - (719179)

k va l ning qanday qiymatlarida $y = \dfrac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(-2; 4)$ nuqtadan o'tadi?

A) 8; −12   B) −8; −20   **C) −8; −12**
D) −8; 20

822. 2.3-2 file-» 6 - 4 - - (14065)

$2^{10} + 3^{12}$ йиғиндининг охирги рақамини топинг.

A) 5   B) 9   C) 4   D) 1

823. 2.3-2 file-» 6 - 5 - - (14117)

$2^{11} + 3^{12}$ йиғиндининг охирги рақамини топинг.

A) 8   B) 7   **C) 9**   D) 5

824. 2.3-2 file-» 22 - 11 - - (36178)

$(\frac{2}{3})^{-3} + 2 \cdot 4^{-2} - (\frac{2}{3})^{-1}$ ни ҳисобланг.

A) $3\frac{1}{2}$ B) $4\frac{2}{3}$ **C) 2**   D) 2,5

825. 2.3-2 file-» 16 - 1 - - (56811)

$\dfrac{\left(\dfrac{1}{343}\right)^{-1/3} + \left(\dfrac{1}{8}\right)^{-1/3}}{\sqrt[3]{18\sqrt{144}}}$ ни ҳисобланг.

A) $\dfrac{3}{2}$ B) $\dfrac{5}{16}$ C) $\dfrac{2}{3}$ D) $\dfrac{4}{7}$

826. 2.3-2 file-» 16 - 2 - - (56861)

$\left(\dfrac{3}{7}\right)^{-1} + 0,3^{-3} + (-0,5)^{-2} \cdot \dfrac{3}{4} - 10\dfrac{19}{27}$ ни ҳисобланг.

A) $31\frac{2}{3}$ B) $42\frac{4}{9}$ C) $34\frac{2}{3}$ D) $48\frac{10}{27}$

827. 2.3-2 file-» 2 - 2 - - 8 (69736)

$20 \cdot 2^{4n-6} - 80 \cdot (4^{n-2})^2$ ифодани соддалаштиринг.

A) 0   B) 4^{2n} C) 4   D) 2^{n-1}

828. 2.3-2 file-» 12 - 2 - - 7 (71816)

$\dfrac{2^8 \cdot 10^{10} \cdot 50^5}{(80 + 20)^{10}}$ ни ҳисобланг.

A) $\dfrac{1}{32}$ B) 16   **C) 8**   D) $\dfrac{1}{64}$

829. 2.3-2 file-» 12 - 2 - - 7 (71818)

$\dfrac{4^{2/3} \cdot 40^{1/3}}{10^{-2/3}}$ ни ҳисобланг.

A) 15   B) 20   C) 60   **D) 40**

830. 2.3-2 file-» 19 - 2 - - 3 (87496)

$\sqrt[3]{1024 \cdot 108} + 0,5 \cdot \sqrt[5]{32 \cdot 243}$ ни ҳисобланг.

A) 45   B) 48   C) 49   **D) 51**

831. 2.3-2 file-» 5 - 11 - - 5 (93359)

$3^{10} + 2^{11}$ йиғиндининг охирги рақамини топинг.

A) 5   B) 3   **C) 7**   D) 1

832. 2.3-2 file-» 5 - 12 - - 10 (96105)

n нинг қандай энг кичик натурал қийматида $2^{n-3} + 1$ сони 33 га қолдиқсиз бўлинади?

A) 7   **B) 8**   C) 6   D) 4

833. 2.3-2 file-» 29 - 1 - - 8 (98519)

$(0,75)^3 \cdot \left(-\dfrac{4}{6}\right) \cdot \left(\dfrac{8}{6}\right)^3 \cdot 4\dfrac{1}{8}$ ни ҳисобланг.

A) 1,5   B) −1,75   **C) −2,75**   D) −2

834. 2.3-2 file-» 30 - 2 - - 9 (112378)

$\sqrt[3]{2\sqrt[3]{2\sqrt{2}}} : 2^{\frac{1}{18}}$ ни ҳисобланг.

A) $\sqrt[9]{32}$ **B) $\sqrt[9]{16}$**   C) $\sqrt[9]{8}$ D) $\sqrt[9]{64}$

835. 2.3-2 file-» 30 - 2 - - 9 (112380)

$\dfrac{(-3)^{17} \cdot (-4) - 2 \cdot (-3)^{16}}{9^7 \cdot 15}$ сонининг учдан бир қисмини топинг.

A) 6   B) 3   **C) 2**   D) 9

836. 2.3-2 file-» 32 - 3 - - 2 (139889)

$\dfrac{\sqrt{196} \cdot \sqrt{19,6}}{\sqrt{0,196} \cdot \sqrt{1,96}} \cdot \left(\dfrac{5}{7}\right)^{-2}$ ни ҳисобланг.

A) 19,6   B) 100   **C) 196**   D) 10

837. 2.3-2 file-» 2 - 45 - - 4 (146156)

$\sqrt{19 - \sqrt{192}}$ ни соддалаштиринг.

A) $4 + \sqrt{3}$ **B)** $4 - \sqrt{3}$ C) $\sqrt{3} - 4$

D) $10 - \sqrt{3}$

838. 2.3-2 file-» 2 - 45 - - 4 (146171)

$\dfrac{3^9 \cdot 2^{19} + 15 \cdot 4^9 \cdot 9^4}{6^9 \cdot 2^{10} + 12^{10}} \cdot \left(\dfrac{3}{4}\right)^{-1}$ ни ҳисобланг.

A) 1 B) 2 C) $\dfrac{1}{3}$ **D)** $\dfrac{2}{3}$

839. 2.3-2 file-» 31 - 2 - - 5 (146243)

$4^{13} + 4^{13} + 4^{13} + 4^{13}$ йиғиндининг ярмини ҳисобланг.

A) 2^{25} B) 2^{24} C) 4^{48} **D)** $8 \cdot 4^{12}$

840. 2.3-2 file-» 54 - 1 - - (175391)

Агар $a = 3$, $b = 5$ бўлса, $\sqrt[3]{a^b + b^a - 152}$ ни ҳисобланг.

A) $\sqrt[3]{150}$ B) $\sqrt[3]{200}$ C) 5 **D) 6**

841. 2.3-2 file-» 6 - 4 - - (315169)

$2^{10} + 3^{12}$ yig'indining oxirgi raqamini toping.

A) *5* B) *9* C) *4* D) *1*

842. 2.3-2 file-» 6 - 5 - - (315170)

$2^{11} + 3^{12}$ yig'indining oxirgi raqamini toping.

A) *8* B) *7* **C)** *9* D) *5*

843. 2.3-2 file-» 22 - 11 - - (315171)

$(\frac{2}{3})^{-3} + 2 \cdot 4^{-2} - (\frac{2}{3})^{-1}$ ni hisoblang.

A) $3\dfrac{1}{2}$ B) $4\dfrac{2}{3}$ **C)** 2 D) $2,5$

844. 2.3-2 file-» 16 - 1 - - (315172)

$\dfrac{\left(\dfrac{1}{343}\right)^{-1/3} + \left(\dfrac{1}{8}\right)^{-1/3}}{\sqrt[3]{18\sqrt{144}}}$ ni hisoblang.

A) $\dfrac{3}{2}$ B) $\dfrac{5}{16}$ C) $\dfrac{2}{3}$ D) $\dfrac{4}{7}$

845. 2.3-2 file-» 16 - 2 - - (315173)

$\left(\dfrac{3}{7}\right)^{-1} + 0,3^{-3} + (-0,5)^{-2} \cdot \dfrac{3}{4} - 10\dfrac{19}{27}$ ni hisoblang.

A) $31\dfrac{2}{3}$ B) $42\dfrac{4}{9}$ C) $34\dfrac{2}{3}$ D) $48\dfrac{10}{27}$

846. 2.3-2 file-» 2 - 2 - - 8 (315174)

$20 \cdot 2^{4n-6} - 80 \cdot (4^{n-2})^2$ ifodani soddalashtiring.

A) 0 B) 4^{2n} C) 4 D) 2^{n-1}

847. 2.3-2 file-» 12 - 2 - - 7 (315175)

$\dfrac{2^8 \cdot 10^{10} \cdot 50^5}{(80 + 20)^{10}}$ ni hisoblang.

A) $\dfrac{1}{32}$ B) 16 **C)** 8 D) $\dfrac{1}{64}$

848. 2.3-2 file-» 12 - 2 - - 7 (315176)

$\dfrac{4^{2/3} \cdot 40^{1/3}}{10^{-2/3}}$ ni hisoblang.

A) 15 B) 20 C) 60 **D)** 40

849. 2.3-2 file-» 19 - 2 - - 3 (315177)

$\sqrt[3]{1024 \cdot 108} + 0,5 \cdot \sqrt[5]{32 \cdot 243}$ ni hisoblang.

A) 45 B) 48 C) 49 **D)** 51

850. 2.3-2 file-» 5 - 11 - - 5 (315178)

$3^{10} + 2^{11}$ yig'indining oxirgi raqamini toping.

A) 5 B) 3 **C)** 7 D) 1

851. 2.3-2 file-» 5 - 12 - - 10 (315179)

n ning qanday eng kichik natural qiymatida $2^{n-3} + 1$ soni 33 ga qoldiqsiz bo'linadi?

A) 7 **B)** 8 C) 6 D) 4

852. 2.3-2 file-» 29 - 1 - - 8 (315180)

$(0,75)^3 \cdot \left(-\dfrac{4}{6}\right) \cdot \left(\dfrac{8}{6}\right)^3 \cdot 4\dfrac{1}{8}$ ni hisoblang.

A) $1,5$ B) $-1,75$ **C)** $-2,75$ D) -2

853. 2.3-2 file-» 30 - 2 - - 9 (315181)

$\sqrt[3]{2\sqrt[3]{2\sqrt{2}}} : 2^{\frac{1}{18}}$ ni hisoblang.

A) $\sqrt[9]{32}$ **B)** $\sqrt[9]{16}$ C) $\sqrt[9]{8}$ D) $\sqrt[9]{64}$

854. 2.3-2 file-» 30 - 2 - - 9 (315182)

$\dfrac{(-3)^{17} \cdot (-4) - 2 \cdot (-3)^{16}}{9^7 \cdot 15}$ sonining uchdan bir qismini toping.

A) 6 B) 3 **C)** 2 D) 9

855. 2.3-2 file-» 32 - 3 - - 2 (315183)

$\dfrac{\sqrt{196} \cdot \sqrt{19,6}}{\sqrt{0,196} \cdot \sqrt{1,96}} \cdot \left(\dfrac{5}{7}\right)^{-2}$ ni hisoblang.

A) $19,6$ B) 100 **C)** 196 D) 10

856. 2.3-2 file-» 2 - 45 - - 4 (315184)

$\sqrt{19 - \sqrt{192}}$ ni soddalashtiring.

A) $4 + \sqrt{3}$ **B)** $4 - \sqrt{3}$ C) $\sqrt{3} - 4$

D) $10 - \sqrt{3}$

857. 2.3-2 file-» 2 - 45 - - 4 (315185)

$\dfrac{3^9 \cdot 2^{19} + 15 \cdot 4^9 \cdot 9^4}{6^9 \cdot 2^{10} + 12^{10}} \cdot \left(\dfrac{3}{4}\right)^{-1}$ ni hisoblang.

A) 1 B) 2 C) $\dfrac{1}{3}$ **D)** $\dfrac{2}{3}$

858. 2.3-2 file-» 31 - 2 - - 5 (315186)
$4^{13} + 4^{13} + 4^{13} + 4^{13}$ yig'indining yarmini hisoblang.
A) 2^{25} B) 2^{24} C) 4^{48} **D)** $8 \cdot 4^{12}$

859. 2.3-2 file-» 54 - 1 - - (315187)
Agar $a = 3$, $b = 5$ bo'lsa, $\sqrt[3]{a^b + b^a - 152}$ ni hisoblang.
A) $\sqrt[3]{150}$ B) $\sqrt[3]{200}$ C) 5   **D)** 6

860. 2.3-2 file-» 6 - 4 - - 1 (704145)
$2^{10} + 3^{12}$ yig'indining oxirgi raqamini toping.
A) 5   B) 9   C) 4   D) 1

861. 2.3-2 file-» 6 - 5 - - 1 (704146)
$2^{11} + 3^{12}$ yig'indining oxirgi raqamini toping.
A) 8   B) 7   **C)** 9   D) 5

862. 2.3-2 file-» 22 - 11 - - 1 (704147)
$(\frac{2}{3})^{-3} + 2 \cdot 4^{-2} - (\frac{2}{3})^{-1}$ ni hisoblang.
A) $3\frac{1}{2}$ B) $4\frac{2}{3}$ **C)** 2   D) $2,5$

863. 2.3-2 file-» 16 - 1 - - 1 (704148)
$$\frac{\left(\frac{1}{343}\right)^{-1/3} + \left(\frac{1}{8}\right)^{-1/3}}{\sqrt[3]{18\sqrt{144}}}$$ ni hisoblang.
A) $\frac{3}{2}$ B) $\frac{5}{16}$ C) $\frac{2}{3}$ D) $\frac{4}{7}$

864. 2.3-2 file-» 16 - 2 - - 1 (704149)
$\left(\frac{3}{7}\right)^{-1} + 0,3^{-3} + (-0,5)^{-2} \cdot \frac{3}{4} - 10\frac{19}{27}$ ni hisoblang.
A) $31\frac{2}{3}$ B) $42\frac{4}{9}$ C) $34\frac{2}{3}$ D) $48\frac{10}{27}$

865. 2.3-2 file-» 2 - 2 - - 1 (704150)
$20 \cdot 2^{4n-6} - 80 \cdot (4^{n-2})^2$ ifodani soddalashtiring.
A) 0   B) 4^{2n} C) 4   D) 2^{n-1}

866. 2.3-2 file-» 12 - 2 - - 1 (704151)
$\frac{2^8 \cdot 10^{10} \cdot 50^5}{(80 + 20)^{10}}$ ni hisoblang.
A) $\frac{1}{32}$ B) 16   **C)** 8   D) $\frac{1}{64}$

867. 2.3-2 file-» 12 - 2 - - 1 (704152)
$\frac{4^{2/3} \cdot 40^{1/3}}{10^{-2/3}}$ ni hisoblang.
A) 15   B) 20   C) 60   **D)** 40

868. 2.3-2 file-» 19 - 2 - - 1 (704153)
$\sqrt[3]{1024 \cdot 108} + 0,5 \cdot \sqrt[5]{32 \cdot 243}$ ni hisoblang.
A) 45   B) 48   C) 49   **D)** 51

869. 2.3-2 file-» 5 - 11 - - 1 (704154)
$3^{10} + 2^{11}$ yig'indining oxirgi raqamini toping.
A) 5   B) 3   **C)** 7   D) 1

870. 2.3-2 file-» 5 - 12 - - 1 (704155)
n ning qanday eng kichik natural qiymatida $2^{n-3} + 1$ soni 33 ga qoldiqsiz bo'linadi?
A) 7   **B)** 8   C) 6   D) 4

871. 2.3-2 file-» 29 - 1 - - 1 (704156)
$(0,75)^3 \cdot \left(-\frac{4}{6}\right) \cdot \left(\frac{8}{6}\right)^3 \cdot 4\frac{1}{8}$ ni hisoblang.
A) $1,5$ B) $-1,75$ **C)** $-2,75$ D) -2

872. 2.3-2 file-» 30 - 2 - - 1 (704157)
$\sqrt[3]{2\sqrt[3]{2\sqrt{2}}} : 2^{\frac{1}{18}}$ ni hisoblang.
A) $\sqrt[9]{32}$ **B)** $\sqrt[9]{16}$ C) $\sqrt[9]{8}$ D) $\sqrt[9]{64}$

873. 2.3-2 file-» 30 - 2 - - 1 (704158)
$\frac{(-3)^{17} \cdot (-4) - 2 \cdot (-3)^{16}}{9^7 \cdot 15}$ sonining uchdan bir qismini toping.
A) 6   B) 3   **C)** 2   D) 9

874. 2.3-2 file-» 32 - 3 - - 1 (704159)
$\frac{\sqrt{196} \cdot \sqrt{19,6}}{\sqrt{0,196} \cdot \sqrt{1,96}} \cdot \left(\frac{5}{7}\right)^{-2}$ ni hisoblang.
A) $19,6$ B) 100   **C)** 196   D) 10

875. 2.3-2 file-» 22 - 12 - - 2 (719180)
$(\frac{3}{5})^{-2} + 12 \cdot 3^{-3} - (\frac{9}{11})^{-1}$ ni hisoblang.
A) 2   B) $2\frac{2}{9}$ C) $4\frac{1}{3}$ D) $3\frac{2}{9}$

876. 2.3-2 file-» 28 - 1 - - 2 (719181)
$\frac{24^5 \cdot 72^6}{8^5 \cdot 36^8}$ ni hisoblang.
A) 24   B) 32   C) 16   **D)** 12

877. 2.3-2 file-» 28 - 2 - - 2 (719182)
$\frac{77^4 \cdot 110^7}{154^3 \cdot 55^8}$ ni hisoblang.
A) $22\frac{2}{5}$ B) $30\frac{9}{25}$ C) $31\frac{1}{25}$ D) $31\frac{9}{25}$

878. 2.3-2 file-» 22 - 1 - - 2 (719183)
$(\frac{2}{5})^{-3} + 4\frac{1}{2} \cdot 6^{-2} - (\frac{8}{75})^{-1}$ ni hisoblang.
A) $8\frac{3}{8}$ B) $15\frac{1}{8}$ C) $11\frac{3}{5}$ **D)** $6\frac{3}{8}$

879. 2.3-2 file-» 12 - 1 - - 2 (719184)
$\frac{6^{1/3} \cdot 30^{2/3}}{5^{-1/3}}$ ni hisoblang.
A) 45   B) 15   C) 5   **D)** 30

880. 2.3-2 file-» 15 - 1 - - 2 (719185)

$\dfrac{3 \cdot 7^{15} - 19 \cdot 7^{14}}{(7^{16} + 3 \cdot 7^{15}) \cdot 1,4}$ ni hisoblang.

A) 7   B) 49   C) $\dfrac{1}{7}$ **D)** $\dfrac{1}{49}$

881. 2.3-2 file-» 15 - 2 - - 2 (719186)

$\dfrac{17 \cdot 4^{16} - 4 \cdot 8^{10}}{4^{18}}$ ni hisoblang.

A) 4   B) 2   **C)** 1   D) 16

882. 2.3-2 file-» 17 - 1 - - 2 (719187)

$(-0,75)^3 \cdot \left(-\dfrac{2}{3}\right)^2 \cdot (1,5)^4 \cdot \left(-\dfrac{4}{3}\right)^3 \cdot \left(\dfrac{9}{11}\right)^{-1}$ ni hisoblang.

A) $1,75$ **B)** $2,75$ C) $2,5$ D) $2,25$

883. 2.3-2 file-» 17 - 2 - - 2 (719188)

$\left[(\sqrt[8]{16})^{-12} \cdot \left(\dfrac{1}{33}\right)^{-1} - 17 \cdot 4^{-3}\right]^{-1}$ ni hisoblang.

A) $\dfrac{1}{2}$ **B)** 4 C) 2 D) $\dfrac{1}{4}$

884. 2.3-2 file-» 2 - 1 - - 3 (719189)

$\dfrac{4^5 \cdot 10^9}{4^3 \cdot 10^{11}}$ ni hisoblang.

A) $0,16$ B) $1,6$ C) 16 D) $0,04$

885. 2.4-1 file-» 50 - 13 - - (164431)

Қуйида келтирилган тенгликлардан қайсилари айният?
1) $(x + a) \cdot (x - b) = x^2 + (a - b)x - ab$;
2) $(x - c) \cdot (x - d) = x^2 - (c + d)x + cd$;
3) $(x - e) \cdot (x + d) = x^2 + (e - d)x - ed$;
4) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$.

A) $1; 2; 4$ B) $2; 3; 4$ C) $1; 3; 4$ D) $1; 2; 3$

886. 2.4-1 file-» 50 - 13 - - (164432)

Қуйида келтирилган тенгликлардан қайсилари айният?
1) $(x + a) \cdot (x - b) = x^2 - (a - b)x - ab$;
2) $(x - c) \cdot (x - d) = x^2 - (c + d)x + cd$;
3) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;
4) $6ab + (2a^3 + b^3 - (3ab^2 - (a^3 + 2ab^2 - b^3))) = 3a^3 - ab^2 + 6ab$.

A) $1; 2; 3$ **B)** $2; 3; 4$ C) $1; 3; 4$ D) $1; 2; 4$

887. 2.4-1 file-» 50 - 13 - - (164433)

Қуйида келтирилган тенгликлардан қайсилари айният?
1) $(x - c) \cdot (x - d) = x^2 - (c + d)x + cd$;
2) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;
3) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$;
4) $3a - (2c - (6a - (c - b) + c + (a + 8b) - 6c)) = 2a + 7b - 8c$.

A) $2; 3; 4$ B) $1; 3; 4$ **C)** $1; 2; 3$ D) $1; 2; 4$

888. 2.4-1 file-» 50 - 13 - - (164434)

Қуйида келтирилган тенгликлардан қайсилари айният?
1) $(x - c) \cdot (x - d) = x^2 - (c + d)x + cd$;
2) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;
3) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2 + 12y^2$;
4) $3a - (2c - (6a - (c - b) + c + (a + 8b) - 6c)) = 10a + 9b - 8c$.

A) $2; 3; 4$ B) $1; 3; 4$ C) $1; 2; 3$ **D)** $1; 2; 4$

889. 2.4-1 file-» 50 - 13 - - (164435)

Қуйида келтирилган тенгликлардан қайсилари айният?
1) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;
2) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2$;
3) $6ab + (2a^3 + b^3 - (3ab^2 - (a^3 + 2ab^2 - b^3))) = 3a^3 - ab^2 + 6ab$;
4) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 + 4ab - 3b^2$.

A) $1; 2; 3$ B) $1; 3; 4$ C) $2; 3; 4$ D) $1; 2; 4$

890. 2.4-1 file-» 50 - 13 - - (164436)

Қуйида келтирилган тенгликлардан қайсилари айният?
1) $(x - c) \cdot (x - d) = x^2 + (c - d)x + cd$;
2) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;
3) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2$;
4) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$.

A) $1; 2; 4$ **B)** $2; 3; 4$ C) $1; 3; 4$ D) $1; 2; 3$

891. 2.4-1 file-» 50 - 13 - - (164437)

Қуйида келтирилган тенгликлардан қайсилари айният?
1) $(x - c) \cdot (x - d) = x^2 + (c - d)x + cd$;
2) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;
3) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2$;
4) $3a - (2c - (6a - (c - b) + c + (a + 8b) - 6c)) = 10a + 9b - 8c$.

A) $1; 2; 4$ B) $1; 3; 4$ **C)** $2; 3; 4$ D) $1; 2; 3$

892.   2.4-1 file-» 50 - 13 - -   (164438)

Қуйида келтирилган тенгликлардан қайсилари айният?

1) $(x - c) \cdot (x - d) = x^2 + (c - d)x + cd$;

2) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;

3) $6ab + (2a^3 + b^3 - (3ab^2 - (a^3 + 2ab^2 - b^3))) = 3a^3 - ab^2 + 6ab$;

4) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$.

A) $1; 3; 4$ B) $1; 2; 4$ C) $1; 2; 3$ **D) $2; 3; 4$**

893.   2.4-1 file-» 50 - 13 - -   (164439)

Қуйида келтирилган тенгликлардан қайсилари айният?

1) $(x - e) \cdot (x + d) = x^2 + (e - d)x - ed$;

2) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2$;

3) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$;

4) $3a - (2c - (6a - (c - b) + c + (a + 8b) - 6c)) = 10a + 9b - 8c$.

A) $2; 3; 4$ B) $1; 3; 4$ C) $1; 2; 4$ D) $1; 2; 3$

894.   2.4-1 file-» 50 - 13 - -   (164440)

Қуйида келтирилган тенгликлардан қайсилари айният?

1) $(x + a) \cdot (x - b) = x^2 - (a - b)x - ab$;

2) $6ab + (2a^3 + b^3 - (3ab^2 - (a^3 + 2ab^2 - b^3))) = 3a^3 - ab^2 + 6ab$;

3) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$;

4) $3a - (2c - (6a - (c - b) + c + (a + 8b) - 6c)) = 10a + 9b - 8c$.

A) $1; 2; 4$ B) $1; 3; 4$ C) $1; 2; 3$ **D) $2; 3; 4$**

895.   2.4-1 file-» 50 - 13 - -   (315188)

Quyida keltirilgan tengliklardan qaysilari ayniyat?

1) $(x + a) \cdot (x - b) = x^2 + (a - b)x - ab$;

2) $(x - c) \cdot (x - d) = x^2 - (c + d)x + cd$;

3) $(x - e) \cdot (x + d) = x^2 + (e - d)x - ed$;

4) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$.

A) $1; 2; 4$ B) $2; 3; 4$ C) $1; 3; 4$ D) $1; 2; 3$

896.   2.4-1 file-» 50 - 13 - -   (315189)

Quyida keltirilgan tengliklardan qaysilari ayniyat?

1) $(x + a) \cdot (x - b) = x^2 - (a - b)x - ab$;

2) $(x - c) \cdot (x - d) = x^2 - (c + d)x + cd$;

3) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;

4) $6ab + (2a^3 + b^3 - (3ab^2 - (a^3 + 2ab^2 - b^3))) = 3a^3 - ab^2 + 6ab$.

A) $1; 2; 3$ **B) $2; 3; 4$**   C) $1; 3; 4$ D) $1; 2; 4$

897.   2.4-1 file-» 50 - 13 - -   (315190)

Quyida keltirilgan tengliklardan qaysilari ayniyat?

1) $(x - c) \cdot (x - d) = x^2 - (c + d)x + cd$;

2) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;

3) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$;

4) $3a - (2c - (6a - (c - b) + c + (a + 8b) - 6c)) = 2a + 7b - 8c$.

A) $2; 3; 4$ B) $1; 3; 4$ **C) $1; 2; 3$**   D) $1; 2; 4$

898.   2.4-1 file-» 50 - 13 - -   (315191)

Quyida keltirilgan tengliklardan qaysilari ayniyat?

1) $(x - c) \cdot (x - d) = x^2 - (c + d)x + cd$;

2) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;

3) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2 + 12y^2$;

4) $3a - (2c - (6a - (c - b) + c + (a + 8b) - 6c)) = 10a + 9b - 8c$.

A) $2; 3; 4$ B) $1; 3; 4$ C) $1; 2; 3$ **D) $1; 2; 4$**

899.   2.4-1 file-» 50 - 13 - -   (315192)

Quyida keltirilgan tengliklardan qaysilari ayniyat?

1) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;

2) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2$;

3) $6ab + (2a^3 + b^3 - (3ab^2 - (a^3 + 2ab^2 - b^3))) = 3a^3 - ab^2 + 6ab$;

4) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 + 4ab - 3b^2$.

A) $1; 2; 3$ B) $1; 3; 4$ C) $2; 3; 4$ D) $1; 2; 4$

900.   2.4-1 file-» 50 - 13 - -   (315193)

Quyida keltirilgan tengliklardan qaysilari ayniyat?

1) $(x - c) \cdot (x - d) = x^2 + (c - d)x + cd$;

2) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;

3) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2$;

4) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$.

A) $1; 2; 4$ **B) $2; 3; 4$**   C) $1; 3; 4$ D) $1; 2; 3$

901.   2.4-1 file-» 50 - 13 - -   (315194)

Quyida keltirilgan tengliklardan qaysilari ayniyat?

1) $(x - c) \cdot (x - d) = x^2 + (c - d)x + cd$;

2) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;

3) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2$;

4) $3a - (2c - (6a - (c - b) + c + (a + 8b) - 6c)) = 10a + 9b - 8c$.

A) $1; 2; 4$ B) $1; 3; 4$ **C) $2; 3; 4$**   D) $1; 2; 3$

902. 2.4-1 file-» 50 - 13 - - (315195)
Quyida keltirilgan tengliklardan qaysilari
ayniyat?
1) $(x - c) \cdot (x - d) = x^2 + (c - d)x + cd$;
2) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;
3) $6ab + (2a^3 + b^3 - (3ab^2 - (a^3 + 2ab^2 - b^3))) = 3a^3 - ab^2 + 6ab$;
4) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$.

A) $1; 3; 4$ B) $1; 2; 4$ C) $1; 2; 3$ **D)** $2; 3; 4$

903. 2.4-1 file-» 50 - 13 - - (315196)
Quyida keltirilgan tengliklardan qaysilari
ayniyat?
1) $(x - e) \cdot (x + d) = x^2 + (e - d)x - ed$;
2) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2$;
3) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$;
4) $3a - (2c - (6a - (c - b) + c + (a + 8b) - 6c)) = 10a + 9b - 8c$.

A) $2; 3; 4$ B) $1; 3; 4$ C) $1; 2; 4$ D) $1; 2; 3$

904. 2.4-1 file-» 50 - 13 - - (315197)
Quyida keltirilgan tengliklardan qaysilari
ayniyat?
1) $(x + a) \cdot (x - b) = x^2 - (a - b)x - ab$;
2) $6ab + (2a^3 + b^3 - (3ab^2 - (a^3 + 2ab^2 - b^3))) = 3a^3 - ab^2 + 6ab$;
3) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$;
4) $3a - (2c - (6a - (c - b) + c + (a + 8b) - 6c)) = 10a + 9b - 8c$.

A) $1; 2; 4$ B) $1; 3; 4$ C) $1; 2; 3$ **D)** $2; 3; 4$

905. 2.4-1 file-» 50 - 121 - - (704160)
Agar bo'luvchi $x - 9$ ga, bo'linma $x - 6$ ga va
qoldiq 4 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 15x + 58$ **B)** $x^2 - 15x + 58$
C) $x^2 + 15x - 58$ D) $x^2 - 15x - 58$

906. 2.4-1 file-» 50 - 121 - - (704161)
Agar bo'luvchi $x - 6$ ga, bo'linma $x - 4$ ga va
qoldiq -9 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 - 10x - 15$ B) $x^2 + 10x + 15$
C) $x^2 - 10x + 15$ D) $x^2 + 10x - 15$

907. 2.4-1 file-» 50 - 121 - - (704162)
Agar bo'luvchi $x - 9$ ga, bo'linma $x - 4$ ga va
qoldiq -6 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 13x - 30$ B) $x^2 - 13x - 30$
C) $x^2 + 13x + 30$ **D)** $x^2 - 13x + 30$

908. 2.4-1 file-» 50 - 121 - - (704163)
Agar bo'luvchi $x - 4$ ga, bo'linma $x + 6$ ga va
qoldiq -9 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 2x - 33$ B) $x^2 - 2x + 33$
C) $x^2 + 2x + 33$ D) $x^2 - 2x - 33$

909. 2.4-1 file-» 50 - 121 - - (704164)
Agar bo'luvchi $x - 9$ ga, bo'linma $x - 6$ ga va
qoldiq -4 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 15x + 50$ **B)** $x^2 - 15x + 50$
C) $x^2 + 15x - 50$ D) $x^2 - 15x - 50$

910. 2.4-1 file-» 50 - 121 - - (704165)
Agar bo'luvchi $x - 6$ ga, bo'linma $x + 4$ ga va
qoldiq -9 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 - 2x + 33$ B) $x^2 + 2x - 33$
C) $x^2 - 2x - 33$ D) $x^2 + 2x + 33$

911. 2.4-1 file-» 50 - 121 - - (704166)
Agar bo'luvchi $x - 9$ ga, bo'linma $x + 4$ ga va
qoldiq -6 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 5x + 42$ B) $x^2 - 5x + 42$
C) $x^2 + 5x - 42$ **D)** $x^2 - 5x - 42$

912. 2.4-1 file-» 50 - 121 - - (704167)
Agar bo'luvchi $x + 4$ ga, bo'linma $x + 6$ ga va
qoldiq -9 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 10x + 15$ B) $x^2 - 10x - 15$
C) $x^2 + 10x - 15$ D) $x^2 - 10x + 15$

913. 2.4-1 file-» 50 - 121 - - (704168)
Agar bo'luvchi $x - 8$ ga, bo'linma $x - 6$ ga va
qoldiq 3 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 14x + 51$ **B)** $x^2 - 14x + 51$
C) $x^2 + 14x - 51$ D) $x^2 - 14x - 51$

914. 2.4-1 file-» 50 - 121 - - (704169)
Agar bo'luvchi $x - 6$ ga, bo'linma $x - 3$ ga va
qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 - 9x - 10$ B) $x^2 + 9x + 10$
C) $x^2 - 9x + 10$ D) $x^2 + 9x - 10$

915. 2.4-1 file-» 50 - 121 - - (704170)
Agar bo'luvchi $x - 8$ ga, bo'linma $x - 3$ ga va
qoldiq -6 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 11x - 18$ B) $x^2 - 11x - 18$
C) $x^2 + 11x + 18$ **D)** $x^2 - 11x + 18$

916. 2.4-1 file-» 50 - 121 - - (704171)
Agar bo'luvchi $x - 3$ ga, bo'linma $x + 6$ ga va
qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 3x - 26$ B) $x^2 - 3x + 26$
C) $x^2 + 3x + 26$ D) $x^2 - 3x - 26$

917. 2.4-1 file-» 50 - 121 - - (704172)
Agar bo'luvchi $x - 8$ ga, bo'linma $x - 6$ ga va
qoldiq -3 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 14x + 45$ **B)** $x^2 - 14x + 45$
C) $x^2 + 14x - 45$ D) $x^2 - 14x - 45$

918. 2.4-1 file-» 50 - 121 - - (704173)
Agar bo'luvchi $x - 6$ ga, bo'linma $x + 3$ ga va
qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 - 3x + 26$ B) $x^2 + 3x - 26$
C) $x^2 - 3x - 26$ D) $x^2 + 3x + 26$

919.   2.4-1 file-» 50 - 121 - -   (704174)
Agar bo'luvchi $x - 8$ ga, bo'linma $x + 3$ ga va
qoldiq -6 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 5x + 30$ B) $x^2 - 5x + 30$
C) $x^2 + 5x - 30$ **D)** $x^2 - 5x - 30$

920.   2.4-1 file-» 50 - 121 - -   (704175)
Agar bo'luvchi $x + 3$ ga, bo'linma $x + 6$ ga va
qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 9x + 10$ B) $x^2 - 9x - 10$
C) $x^2 + 9x - 10$ D) $x^2 - 9x + 10$

921.   2.4-1 file-» 50 - 121 - -   (704176)
Agar bo'luvchi $x - 9$ ga, bo'linma $x - 5$ ga va
qoldiq 3 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 14x + 48$ **B)** $x^2 - 14x + 48$
C) $x^2 + 14x - 48$ D) $x^2 - 14x - 48$

922.   2.4-1 file-» 50 - 121 - -   (704177)
Agar bo'luvchi $x - 5$ ga, bo'linma $x - 3$ ga va
qoldiq -9 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 - 8x - 6$ B) $x^2 + 8x + 6$
C) $x^2 - 8x + 6$ D) $x^2 + 8x - 6$

923.   2.4-1 file-» 50 - 121 - -   (704178)
Agar bo'luvchi $x - 9$ ga, bo'linma $x - 3$ ga va
qoldiq -5 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 12x - 22$ B) $x^2 - 12x - 22$
C) $x^2 + 12x + 22$ **D)** $x^2 - 12x + 22$

924.   2.4-1 file-» 50 - 121 - -   (704179)
Agar bo'luvchi $x - 3$ ga, bo'linma $x + 5$ ga va
qoldiq -9 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 2x - 24$ B) $x^2 - 2x + 24$
C) $x^2 + 2x + 24$ D) $x^2 - 2x - 24$

925.   2.4-1 file-» 50 - 121 - -   (704180)
Agar bo'luvchi $x - 9$ ga, bo'linma $x - 5$ ga va
qoldiq -3 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 14x + 42$ **B)** $x^2 - 14x + 42$
C) $x^2 + 14x - 42$ D) $x^2 - 14x - 42$

926.   2.4-1 file-» 50 - 121 - -   (704181)
Agar bo'luvchi $x - 5$ ga, bo'linma $x + 3$ ga va
qoldiq -9 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 - 2x + 24$ B) $x^2 + 2x - 24$
C) $x^2 - 2x - 24$ D) $x^2 + 2x + 24$

927.   2.4-1 file-» 50 - 121 - -   (704182)
Agar bo'luvchi $x - 9$ ga, bo'linma $x + 3$ ga va
qoldiq -5 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 6x + 32$ B) $x^2 - 6x + 32$
C) $x^2 + 6x - 32$ **D)** $x^2 - 6x - 32$

928.   2.4-1 file-» 50 - 121 - -   (704183)
Agar bo'luvchi $x + 3$ ga, bo'linma $x + 5$ ga va
qoldiq -9 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 8x + 6$ B) $x^2 - 8x - 6$
C) $x^2 + 8x - 6$ D) $x^2 - 8x + 6$

929.   2.4-1 file-» 50 - 121 - -   (704184)
Agar bo'luvchi $x - 7$ ga, bo'linma $x - 4$ ga va
qoldiq 2 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 11x + 30$ **B)** $x^2 - 11x + 30$
C) $x^2 + 11x - 30$ D) $x^2 - 11x - 30$

930.   2.4-1 file-» 50 - 121 - -   (704185)
Agar bo'luvchi $x - 7$ ga, bo'linma $x - 4$ ga va
qoldiq -2 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 - 11x - 26$ B) $x^2 + 11x + 26$
C) $x^2 - 11x + 26$ D) $x^2 + 11x - 26$

931.   2.4-1 file-» 50 - 121 - -   (704186)
Agar bo'luvchi $x - 4$ ga, bo'linma $x - 2$ ga va
qoldiq -7 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 6x - 1$ B) $x^2 - 6x - 1$
C) $x^2 + 6x + 1$ **D)** $x^2 - 6x + 1$

932.   2.4-1 file-» 50 - 121 - -   (704187)
Agar bo'luvchi $x - 4$ ga, bo'linma $x + 2$ ga va
qoldiq -7 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 - 2x - 15$ B) $x^2 + 2x + 15$
C) $x^2 - 2x + 15$ D) $x^2 + 2x - 15$

933.   2.4-1 file-» 50 - 121 - -   (704188)
Agar bo'luvchi $x - 7$ ga, bo'linma $x - 2$ ga va
qoldiq -4 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 9x + 10$ **B)** $x^2 - 9x + 10$
C) $x^2 + 9x - 10$ D) $x^2 - 9x - 10$

934.   2.4-1 file-» 50 - 121 - -   (704189)
Agar bo'luvchi $x - 7$ ga, bo'linma $x + 2$ ga va
qoldiq -4 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 - 5x + 18$ B) $x^2 + 5x - 18$
C) $x^2 - 5x - 18$ D) $x^2 + 5x + 18$

935.   2.4-1 file-» 51 - 2 - -   (719190)
Agar $p_1(x) = -2x^2 + 3x$, $p_2(x) = 4x^2 - 3$ va
$p_3(x) = 2x - 4$ bo'lsa, $p_1(x) + p_2(x) - p_3(x)$
ko'phadni toping.
A) $2x^2 + x + 1$ B) $2x^2 + 5x + 1$
C) $2x^2 + 5x - 7$ D) $2x^2 - 5x + 1$

936.   2.4-1 file-» 50 - 138 - -   (719191)
Agar bo'luvchi $x - 8$ ga, bo'linma $x - 5$ ga va
qoldiq 3 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 13x + 43$ **B)** $x^2 - 13x + 43$
C) $x^2 + 13x - 43$ D) $x^2 - 13x - 43$

937.   2.4-1 file-» 50 - 138 - -   (719192)
Agar bo'luvchi $x - 5$ ga, bo'linma $x - 3$ ga va
qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 - 8x - 7$ B) $x^2 + 8x + 7$
C) $x^2 - 8x + 7$ D) $x^2 + 8x - 7$

938. 2.4-1 file-» 50 - 138 - - (719193)
Agar bo'luvchi $x - 8$ ga, bo'linma $x - 3$ ga va qoldiq -5 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 11x - 19$ B) $x^2 - 11x - 19$
C) $x^2 + 11x + 19$ **D)** $x^2 - 11x + 19$

939. 2.4-1 file-» 50 - 138 - - (719194)
Agar bo'luvchi $x - 3$ ga, bo'linma $x + 5$ ga va qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 2x - 23$ B) $x^2 - 2x + 23$
C) $x^2 + 2x + 23$ D) $x^2 - 2x - 23$

940. 2.4-1 file-» 50 - 138 - - (719195)
Agar bo'luvchi $x - 8$ ga, bo'linma $x - 5$ ga va qoldiq -3 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 13x + 37$ **B)** $x^2 - 13x + 37$
C) $x^2 + 13x - 37$ D) $x^2 - 13x - 37$

941. 2.4-1 file-» 50 - 138 - - (719196)
Agar bo'luvchi $x - 5$ ga, bo'linma $x + 3$ ga va qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 - 2x + 23$ B) $x^2 + 2x - 23$
C) $x^2 - 2x - 23$ D) $x^2 + 2x + 23$

942. 2.4-1 file-» 50 - 138 - - (719197)
Agar bo'luvchi $x - 8$ ga, bo'linma $x + 3$ ga va qoldiq -5 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 5x + 29$ B) $x^2 - 5x + 29$
C) $x^2 + 5x - 29$ **D)** $x^2 - 5x - 29$

943. 2.4-1 file-» 50 - 138 - - (719198)
Agar bo'luvchi $x + 3$ ga, bo'linma $x + 5$ ga va qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 8x + 7$ B) $x^2 - 8x - 7$
C) $x^2 + 8x - 7$ D) $x^2 - 8x + 7$

944. 2.4-1 file-» 50 - 138 - - (719199)
Agar bo'luvchi $x - 7$ ga, bo'linma $x - 5$ ga va qoldiq 2 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 12x + 37$ **B)** $x^2 - 12x + 37$
C) $x^2 + 12x - 37$ D) $x^2 - 12x - 37$

945. 2.4-1 file-» 50 - 138 - - (719200)
Agar bo'luvchi $x - 5$ ga, bo'linma $x - 2$ ga va qoldiq -7 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 - 7x - 3$ B) $x^2 + 7x + 3$
C) $x^2 - 7x + 3$ D) $x^2 + 7x - 3$

946. 2.4-1 file-» 50 - 138 - - (719201)
Agar bo'luvchi $x - 7$ ga, bo'linma $x - 2$ ga va qoldiq -5 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 9x - 9$ B) $x^2 - 9x - 9$
C) $x^2 + 9x + 9$ **D)** $x^2 - 9x + 9$

947. 2.4-1 file-» 50 - 138 - - (719202)
Agar bo'luvchi $x - 2$ ga, bo'linma $x + 5$ ga va qoldiq -7 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 3x - 17$ B) $x^2 - 3x + 17$
C) $x^2 + 3x + 17$ D) $x^2 - 3x - 17$

948. 2.4-1 file-» 50 - 138 - - (719203)
Agar bo'luvchi $x - 7$ ga, bo'linma $x - 5$ ga va qoldiq -2 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 12x + 33$ **B)** $x^2 - 12x + 33$
C) $x^2 + 12x - 33$ D) $x^2 - 12x - 33$

949. 2.4-1 file-» 50 - 138 - - (719204)
Agar bo'luvchi $x - 5$ ga, bo'linma $x + 2$ ga va qoldiq -7 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 - 3x + 17$ B) $x^2 + 3x - 17$
C) $x^2 - 3x - 17$ D) $x^2 + 3x + 17$

950. 2.4-1 file-» 50 - 138 - - (719205)
Agar bo'luvchi $x - 7$ ga, bo'linma $x + 2$ ga va qoldiq -5 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 5x + 19$ B) $x^2 - 5x + 19$
C) $x^2 + 5x - 19$ **D)** $x^2 - 5x - 19$

951. 2.4-1 file-» 50 - 138 - - (719206)
Agar bo'luvchi $x + 2$ ga, bo'linma $x + 5$ ga va qoldiq -7 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 7x + 3$ B) $x^2 - 7x - 3$
C) $x^2 + 7x - 3$ D) $x^2 - 7x + 3$

952. 2.4-1 file-» 50 - 138 - - (719207)
Agar bo'luvchi $x - 8$ ga, bo'linma $x - 4$ ga va qoldiq 2 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 12x + 34$ **B)** $x^2 - 12x + 34$
C) $x^2 + 12x - 34$ D) $x^2 - 12x - 34$

953. 2.4-1 file-» 50 - 138 - - (719208)
Agar bo'luvchi $x - 8$ ga, bo'linma $x - 2$ ga va qoldiq -4 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 10x - 12$ B) $x^2 - 10x - 12$
C) $x^2 + 10x + 12$ **D)** $x^2 - 10x + 12$

954. 2.4-1 file-» 50 - 138 - - (719209)
Agar bo'luvchi $x - 2$ ga, bo'linma $x + 4$ ga va qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 2x - 16$ B) $x^2 - 2x + 16$
C) $x^2 + 2x + 16$ D) $x^2 - 2x - 16$

955. 2.4-1 file-» 50 - 138 - - (719210)
Agar bo'luvchi $x - 8$ ga, bo'linma $x - 4$ ga va qoldiq -2 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 12x + 30$ **B)** $x^2 - 12x + 30$
C) $x^2 + 12x - 30$ D) $x^2 - 12x - 30$

956. 2.4-1 file-» 50 - 138 - - (719211)
Agar bo'luvchi $x - 4$ ga, bo'linma $x + 2$ ga va qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 - 2x + 16$ B) $x^2 + 2x - 16$
C) $x^2 - 2x - 16$ D) $x^2 + 2x + 16$

957. 2.4-1 file-» 50 - 138 - - (719212)
Agar bo'luvchi $x - 8$ ga, bo'linma $x + 2$ ga va qoldiq -4 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 6x + 20$ B) $x^2 - 6x + 20$
C) $x^2 + 6x - 20$ **D)** $x^2 - 6x - 20$

958. 2.4-1 file-» 50 - 138 - - (719213)
Agar bo'luvchi $x - 6$ ga, bo'linma $x - 3$ ga va qoldiq 1 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 9x + 19$ **B)** $x^2 - 9x + 19$
C) $x^2 + 9x - 19$ D) $x^2 - 9x - 19$

959. 2.4-1 file-» 50 - 138 - - (719214)
Agar bo'luvchi $x - 6$ ga, bo'linma $x - 3$ ga va qoldiq -1 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 - 9x - 17$ B) $x^2 + 9x + 17$
C) $x^2 - 9x + 17$ D) $x^2 + 9x - 17$

960. 2.4-1 file-» 50 - 138 - - (719215)
Agar bo'luvchi $x - 3$ ga, bo'linma $x - 1$ ga va qoldiq -6 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 4x + 3$ B) $x^2 - 4x + 3$
C) $x^2 + 4x - 3$ **D)** $x^2 - 4x - 3$

961. 2.4-1 file-» 50 - 138 - - (719216)
Agar bo'luvchi $x - 3$ ga, bo'linma $x + 1$ ga va qoldiq -6 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 - 2x - 9$ B) $x^2 + 2x + 9$
C) $x^2 - 2x + 9$ D) $x^2 + 2x - 9$

962. 2.4-1 file-» 50 - 138 - - (719217)
Agar bo'luvchi $x - 6$ ga, bo'linma $x - 1$ ga va qoldiq -3 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 7x + 3$ **B)** $x^2 - 7x + 3$
C) $x^2 + 7x - 3$ D) $x^2 - 7x - 3$

963. 2.4-1 file-» 50 - 138 - - (719218)
Agar bo'luvchi $x - 6$ ga, bo'linma $x + 1$ ga va qoldiq -3 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 - 5x + 9$ B) $x^2 + 5x - 9$
C) $x^2 - 5x - 9$ D) $x^2 + 5x + 9$

964. 2.5-1 file-» 5 - 3 - - (13855)
$\dfrac{x^2 - 5xy}{-25y^2 + x^2}$ касрни қисқартиринг.
A) $\dfrac{x}{x + 5y}$ B) $-\dfrac{x}{x + 5y}$ C) $\dfrac{x}{x - 5y}$
D) $-\dfrac{x}{x - 5y}$

965. 2.5-1 file-» 5 - 4 - - (13908)
$(x^2 + xy + y^2)(x - y)$ ифоданинг $x = \sqrt[3]{4}$ ва $y = \sqrt[3]{2}$ бўлгандаги қийматини ҳисобланг.
A) 6 B) -6 **C) 2** D) -2

966. 2.5-1 file-» 5 - 4 - - (13910)
$\dfrac{x^2 + 4xy}{-16y^2 + x^2}$ касрни қисқартиринг.
A) $\dfrac{x}{x + 4y}$ B) $-\dfrac{x}{x + 4y}$ **C)** $\dfrac{x}{x - 4y}$
D) $\dfrac{y}{4y - x}$

967. 2.5-1 file-» 5 - 5 - - (13964)
$(b - c)(b^2 + bc + c^2)$ ифоданинг $b = \sqrt[3]{5}$ ва $c = \sqrt[3]{3}$ бўлгандаги қийматини ҳисобланг.
A) 2 B) 8 C) -2 D) -8

968. 2.5-1 file-» 5 - 5 - - (13966)
$\dfrac{a^2 - 5ab}{-25b^2 + a^2}$ касрни қисқартиринг.
A) $\dfrac{a}{a + 5b}$ B) $\dfrac{a}{a - 5b}$ C) $-\dfrac{a}{a + 5b}$
D) $-\dfrac{a}{a - 5b}$

969. 2.5-1 file-» 22 - 2 - - (14225)
$(3a - b)^2 + (3a + b)^2$ ни соддалаштиринг.
A) $2b^2 + 18a^2$ B) $-2b^2$ C) $-12ab$
D) $-6ab + 2b^2$

970. 2.5-1 file-» 22 - 2 - - (14231)
$(x - \dfrac{2 + x^2}{x - 1}) : \dfrac{x^2 + 4x + 4}{-x + 1}$ ни соддалаштиринг.
A) -1 **B)** $\dfrac{1}{x + 2}$ C) $\dfrac{x - 2}{(x + 2)^2}$ D) $-\dfrac{1}{x + 2}$

971. 2.5-1 file-» 22 - 3 - - (14284)
$(1 - 3a)^2 - (1 + 3a)(3a - 1)$ ни соддалаштиринг.
A) $18a^2 - 6a$ **B)** $-6a + 2$ C) $-3a + 2$
D) $9a^2 - 3a$

972. 2.5-1 file-» 22 - 3 - - (14290)
$(b^2 - \dfrac{4 + b^4}{b^2 + 1}) : \dfrac{-2 + b}{1 + b^2}$ ни соддалаштиринг.
A) 1 **B)** $b + 2$ C) $b - 2$ D) $\dfrac{1}{b + 2}$

973. 2.5-1 file-» 22 - 4 - - (14343)
$(a - 3b)^2 - (3a + b)^2$ ни соддалаштиринг.
A) $8a^2 + 12ab - 8b^2$ B) $-8a^2 + 12ab - 8b^2$
C) $8a^2 - 12ab + 8b^2$ **D)** $-8a^2 - 12ab + 8b^2$

974. 2.5-1 file-» 22 - 4 - - (14349)
$(m^2 - \dfrac{2 + m^4}{m^2 - 1}) : \dfrac{m^2 + 2}{m - 1}$ ни соддалаштиринг.
A) $m - 1$ B) $\dfrac{1}{m - 1}$ **C)** $-\dfrac{1}{m + 1}$ D) 1

975. 2.5-1 file-» 23 - 2 - - (36447)
1) $2a^2 - 4ab + 2b^2 = (b - a)^2 \cdot 2$
2) $-\dfrac{x^3 - y^3}{x^2 + xy + y^2} = x - y$
3) $-(a - b - c) = -a + b + c$
4) $-\dfrac{a^2 - 1}{b} = \dfrac{a^2 - 1}{b}$. Ушбу тенгликларнинг қайси бири айният?
A) 1 B) 2; 4 C) 2 **D)** 1; 3

976.   2.5-1 file-» 23 - 3 - -   (36507)
Қуйида келтирилган тенгликлардан қайси
бири айният?

A) $\dfrac{m^3 - n^3}{m - n} = m^2 - mn + n^2$

B) $2mn - n^2 - m^2 = (m + n)^2$

C) $m - (m - n) - (m + n) = -m$

D) $-\dfrac{m - n}{n} = \dfrac{-m - n}{n}$

977.   2.5-1 file-» 22 - 17 - -   (56961)
$\dfrac{0,05 \cdot 0,9 - 0,05}{0,2^2 - 2 \cdot 0,06 + 0,3^2}$ нинг қийматини

ҳисобланг.

A) $0,2$ B) -2 **C)** $-0,5$ D) $0,25$

978.   2.5-1 file-» 22 - 18 - -   (57021)
$\dfrac{0,4^2 + 2 \cdot 0,04 + 0,1^2}{0,5 - 0,5^2}$ нинг қийматини

ҳисобланг.

A) 1 B) -1 C) $-0,1$ D) 10

979.   2.5-1 file-» 22 - 18 - -   (57031)
a ва b нинг қандай қийматида
$\dfrac{5}{x^2 + x - 6} = \dfrac{a}{x - 2} - \dfrac{b}{x + 3}$ тенглик айният
бўлади($x \neq 2, x \neq -3$)?

A) $a = 1, b = 1$ B) $a = \dfrac{2}{5}, b = -\dfrac{2}{5}$

C) $a = 5, b = -5$ D) $a = \dfrac{2}{5}, b = \dfrac{2}{5}$

980.   2.5-1 file-» 23 - 17 - - 7   (94281)
$\dfrac{\sqrt[4]{2\sqrt{2} + 3}}{\sqrt{\sqrt{2} + 1}}$ ни ҳисобланг.

A) 1 B) $1,5$ C) $0,5$ D) $\dfrac{2}{3}$

981.   2.5-1 file-» 5 - 3 - -   (315198)
$\dfrac{x^2 - 5xy}{-25y^2 + x^2}$ kasrni qisqartiring.

A) $\dfrac{x}{x + 5y}$ B) $-\dfrac{x}{x + 5y}$ C) $\dfrac{x}{x - 5y}$

D) $-\dfrac{x}{x - 5y}$

982.   2.5-1 file-» 5 - 4 - -   (315199)
$(x^2 + xy + y^2)(x - y)$ ifodaning $x = \sqrt[3]{4}$ va
$y = \sqrt[3]{2}$ bo'lgandagi qiymatini hisoblang.

A) 6 B) -6 **C)** 2 D) -2

983.   2.5-1 file-» 5 - 4 - -   (315200)
$\dfrac{x^2 + 4xy}{-16y^2 + x^2}$ kasrni qisqartiring.

A) $\dfrac{x}{x + 4y}$ B) $-\dfrac{x}{x + 4y}$ **C)** $\dfrac{x}{x - 4y}$

D) $\dfrac{y}{4y - x}$

984.   2.5-1 file-» 5 - 5 - -   (315201)
$(b - c)(b^2 + bc + c^2)$ ifodaning $b = \sqrt[3]{5}$ va $c = \sqrt[3]{3}$
bo'lgandagi qiymatini hisoblang.

A) 2 B) 8 C) -2 D) -8

985.   2.5-1 file-» 5 - 5 - -   (315202)
$\dfrac{a^2 - 5ab}{-25b^2 + a^2}$ kasrni qisqartiring.

A) $\dfrac{a}{a + 5b}$ B) $\dfrac{a}{a - 5b}$ C) $-\dfrac{a}{a + 5b}$

D) $-\dfrac{a}{a - 5b}$

986.   2.5-1 file-» 22 - 2 - -   (315203)
$(3a - b)^2 + (3a + b)^2$ ni soddalashtiring.

A) $2b^2 + 18a^2$ B) $-2b^2$ C) $-12ab$

D) $-6ab + 2b^2$

987.   2.5-1 file-» 22 - 2 - -   (315204)
$(x - \dfrac{2 + x^2}{x - 1}) : \dfrac{x^2 + 4x + 4}{-x + 1}$ ni soddalashtiring.

A) -1 **B)** $\dfrac{1}{x + 2}$ C) $\dfrac{x - 2}{(x + 2)^2}$

D) $-\dfrac{1}{x + 2}$

988.   2.5-1 file-» 22 - 3 - -   (315205)
$(1 - 3a)^2 - (1 + 3a)(3a - 1)$ ni soddalashtiring.

A) $18a^2 - 6a$ **B)** $-6a + 2$ C) $-3a + 2$

D) $9a^2 - 3a$

989.   2.5-1 file-» 22 - 3 - -   (315206)
$(b^2 - \dfrac{4 + b^4}{b^2 + 1}) : \dfrac{-2 + b}{1 + b^2}$ ni soddalashtiring.

A) 1 **B)** $b + 2$ C) $b - 2$ D) $\dfrac{1}{b + 2}$

990.   2.5-1 file-» 22 - 4 - -   (315207)
$(a - 3b)^2 - (3a + b)^2$ ni soddalashtiring.

A) $8a^2 + 12ab - 8b^2$ B) $-8a^2 + 12ab - 8b^2$

C) $8a^2 - 12ab + 8b^2$ **D)** $-8a^2 - 12ab + 8b^2$

991.   2.5-1 file-» 22 - 4 - -   (315208)
$(m^2 - \dfrac{2 + m^4}{m^2 - 1}) : \dfrac{m^2 + 2}{m - 1}$ ni soddalashtiring.

A) $m - 1$ B) $\dfrac{1}{m - 1}$ **C)** $-\dfrac{1}{m + 1}$ D) 1

992. 2.5-1 file-» 23 - 2 - - (315209)

1) $2a^2 - 4ab + 2b^2 = (b - a)^2 \cdot 2$

2) $-\dfrac{x^3 - y^3}{x^2 + xy + y^2} = x - y$

3) $-(a - b - c) = -a + b + c$

4) $-\dfrac{a^2 - 1}{b} = \dfrac{a^2 - 1}{b}$. Ushbu tengliklarning qaysi biri ayniyat?

A) 1   B) 2; 4   C) 2   **D) 1; 3**

993. 2.5-1 file-» 23 - 3 - - (315210)

Quyida keltirilgan tengliklardan qaysi biri ayniyat?

A) $\dfrac{m^3 - n^3}{m - n} = m^2 - mn + n^2$

B) $2mn - n^2 - m^2 = (m + n)^2$

C) $m - (m - n) - (m + n) = -m$

D) $-\dfrac{m - n}{n} = \dfrac{-m - n}{n}$

994. 2.5-1 file-» 22 - 17 - - (315211)

$\dfrac{0,05 \cdot 0,9 - 0,05}{0,2^2 - 2 \cdot 0,06 + 0,3^2}$ ning qiymatini hisoblang.

A) 0, 2   B) -2 **C) $-0, 5$**   D) 0, 25

995. 2.5-1 file-» 22 - 18 - - (315212)

$\dfrac{0,4^2 + 2 \cdot 0,04 + 0,1^2}{0,5 - 0,5^2}$ ning qiymatini hisoblang.

A) 1   B) -1 C) $-0, 1$ D) 10

996. 2.5-1 file-» 22 - 18 - - (315213)

a va b ning qanday qiymatida

$\dfrac{5}{x^2 + x - 6} = \dfrac{a}{x - 2} - \dfrac{b}{x + 3}$ tenglik ayniyat bo'ladi($x \neq 2, x \neq -3$)?

A) $a = 1, b = 1$ B) $a = \dfrac{2}{5}, b = -\dfrac{2}{5}$

C) $a = 5, b = -5$ D) $a = \dfrac{2}{5}, b = \dfrac{2}{5}$

997. 2.5-1 file-» 23 - 17 - - 7 (315214)

$\dfrac{\sqrt[4]{2\sqrt{2} + 3}}{\sqrt{\sqrt{2} + 1}}$ ni hisoblang.

A) 1   B) 1, 5   C) 0, 5   D) $\dfrac{2}{3}$

998. 2.5-2 file-» 22 - 2 - - (14222)

$\dfrac{0,4^2 - 1}{2,8 \cdot 0,4 - 2,8}$ ни ҳисобланг.

A) $\dfrac{1}{2}$ B) $-\dfrac{1}{2}$ C) -5 D) 5

999. 2.5-2 file-» 22 - 3 - - (14281)

$\dfrac{4,5^2 - 1,5^2}{0,3 \cdot 0,5 - 0,3}$ ни ҳисобланг.

A) -200 **B) -120**   C) 200   D) -2

1000. 2.5-2 file-» 22 - 4 - - (14340)

$\dfrac{0,2^2 + 2 \cdot 0,2 \cdot 0,3 + 0,3^2}{0,5 \cdot 0,4 - 0,5 \cdot 0,8}$ ни ҳисобланг.

A) -25 B) $-2, 5$ C) -1 **D) $-1, 25$**

1001. 2.5-2 file-» 28 - 2 - - (36684)

Агар $x = 2, 5$ ва $y = -1, 5$ бўлса,

$x^3 - x^2 y - xy^2 + y^3$ ни ҳисобланг.

A) *10*   **B) *16***   C) *8*   D) *25*

1002. 2.5-2 file-» 28 - 2 - - (36690)

$\dfrac{a^{-3} + b^{-3}}{a^2 - ab + b^2} \cdot a^3 b^3 - \dfrac{a^2 - b^2}{a - b}$ ни соддалаштиринг.

A) $(a + b)^2$ **B) *0***   C) ab D) $a - b$

1003. 2.5-2 file-» 12 - 1 - - (56539)

$\dfrac{(5b^{1/4} + 10)(b^{3/4} - 2b^{1/2})}{4b - 16b^{1/2}}$ ни соддалаштиринг.

A) $1\dfrac{1}{4}$ B) $\dfrac{1}{5}$ C) 1   D) 5

1004. 2.5-2 file-» 15 - 1 - - (56694)

$\dfrac{(8,7^2 - 11,3^2)(13^2 - 12,6^2)}{(4,2^2 - 5,8^2)(2,3^2 - 0,3^2)}$ ни ҳисобланг.

A) 32   B) 0, 32   C) 3, 2   **D) 6, 4**

1005. 2.5-2 file-» 15 - 1 - - (56711)

$\dfrac{x^4 + 1}{x^2 - x\sqrt{2} + 1}$ ни қисқартиринг.

A) $x^2 + 1$ B) $x^2 - x\sqrt{2} - 1$

C) $x^2 + \sqrt{2}x + 1$ D) $x^2 - 1$

1006. 2.5-2 file-» 2 - 1 - - 6 (67900)

$a = 2^5 + 2^{-5}$ ва $b = 2^5 - 2^{-5}$ бўлса, $a^2 - b^2 - 2$ нимага тенг?

A) 0   **B) 2**   C) $\dfrac{1}{2}$ D) $\dfrac{1}{4}$

1007. 2.5-2 file-» 2 - 1 - - 6 (67906)

$\sqrt{a} - \sqrt{b} = 3$ ва $a - b = 24$ бўлса, $\sqrt{a} + \sqrt{b}$ нимага тенг?

A) 6   B) 4   C) 5   **D) 8**

1008. 2.5-2 file-» 22 - 19 - - 4 (69930)

$(\sqrt{7} + \sqrt{2} + 1)(\sqrt{7} - 1 - \sqrt{2})$ ни соддалаштиринг.

A) $4 + 2\sqrt{2}$ B) $2 - \sqrt{2}$ C) $4 - \sqrt{2}$

D) $4 - 2\sqrt{2}$

1009. 2.5-2 file-» 12 - 2 - - 7 (71829)

$\dfrac{(32 - 16a^{\frac{1}{4}}) \cdot (2a^{\frac{1}{4}} + a^{\frac{1}{2}})}{8a^{\frac{1}{4}} - 2a^{\frac{3}{4}}}$ касрни қисқартиринг.

A) 15   B) 4   C) 7, 5   **D) 8**

1010.   2.5-2 file-» 30 - 1 - - 12   (73436)
Амалларни бажаринг:
$$\frac{9}{5-\sqrt{7}} - \frac{22}{7+\sqrt{5}} + \frac{1}{\sqrt{7}+\sqrt{5}}.$$
A) $\sqrt{7}-1$ B) 6   C) $\sqrt{7}-\sqrt{5}$ D) 5

1011.   2.5-2 file-» 23 - 16 - - 1   (86911)
Агар $a^2 - 6a + 10 + b^2 + 2b = 0$ бўлса, $(a+b)^3$ нинг қийматини топинг.
A) 64   B) 27   **C)** 8   D) 25

1012.   2.5-2 file-» 23 - 17 - - 7   (94276)
$(a^3 - 3a^2b + 3ab^2 - b^3)(a+b) : \left(ab - \dfrac{a^3+b^3}{a+b}\right)$
ни соддалаштиринг.
A) $b^2 - a^2$ B) $a^2 - b^2$ C) $(a-b)^2$
D) $(a+b)^2$

1013.   2.5-2 file-» 29 - 1 - - 8   (98523)
$\sqrt[6]{3-2\sqrt{2}} : \sqrt[3]{\sqrt{2}-1} + 1$ ни ҳисобланг.
A) 3   **B)** 2   C) 1   D) -1

1014.   2.5-2 file-» 16 - 7 - - 6   (105874)
Агар $a = \sqrt{2}$ ва $b = \sqrt[3]{3}$ бўлса,
$\sqrt{a^2 - 2ab + b^2} - \sqrt{a^2 + 2ab + b^2}$ нинг қийматини ҳисобланг.
A) $\sqrt{8}$ B) $-\sqrt[3]{12}$ **C)** $-\sqrt{8}$ D) $\sqrt[3]{24}$

1015.   2.5-2 file-» 23 - 19 - - 2   (109041)
Агар $a = 6 + \sqrt{3}$ ва $b = 6 - \sqrt{3}$ бўлса,
$\dfrac{a^3 - b^3}{a^2 - b^2} : \dfrac{a^2 + ab + b^2}{a^3 + 3a^2b + 3ab^2 + b^3}$ нинг қийматини ҳисобланг.
A) 144   B) 198   C) 196   D) 169

1016.   2.5-2 file-» 19 - 5 - - 2   (123002)
$\dfrac{3,6 \cdot (1,7^3 - 1,5^3)}{5,1^2 + 5,1 \cdot 4,5 + 4,5^2}$ ни ҳисобланг.
A) $0,45$ **B)** $0,08$ C) $0,3$ D) $0,06$

1017.   2.5-2 file-» 23 - 22 - - 1   (140296)
$\sqrt{2+\sqrt{3}} + \sqrt{2-\sqrt{3}}$ ни соддалаштиринг.
A) $\sqrt{3}$ **B)** $\sqrt{6}$ C) $2\sqrt{2}$ D) $\sqrt{2}$

1018.   2.5-2 file-» 22 - 2 - -   (315215)
$\dfrac{0,4^2 - 1}{2,8 \cdot 0,4 - 2,8}$ ni hisoblang.
A) $\dfrac{1}{2}$ B) $-\dfrac{1}{2}$ C) -5 D) 5

1019.   2.5-2 file-» 22 - 3 - -   (315216)
$\dfrac{4,5^2 - 1,5^2}{0,3 \cdot 0,5 - 0,3}$ ni hisoblang.
A) -200 **B)** -120 C) 200   D) -2

1020.   2.5-2 file-» 22 - 4 - -   (315217)
$\dfrac{0,2^2 + 2 \cdot 0,2 \cdot 0,3 + 0,3^2}{0,5 \cdot 0,4 - 0,5 \cdot 0,8}$ ni hisoblang.
A) -25 B) $-2,5$ C) -1 **D)** $-1,25$

1021.   2.5-2 file-» 28 - 2 - -   (315218)
Agar $x = 2,5$ va $y = -1,5$ bo'lsa,
$x^3 - x^2y - xy^2 + y^3$ ni hisoblang.
A) *10*   **B)** *16*   C) *8*   D) *25*

1022.   2.5-2 file-» 28 - 2 - -   (315219)
$\dfrac{a^{-3} + b^{-3}}{a^2 - ab + b^2} \cdot a^3b^3 - \dfrac{a^2 - b^2}{a-b}$ ni soddalashtiring.
A) $(a+b)^2$ **B)** *0*   C) ab D) $a-b$

1023.   2.5-2 file-» 12 - 1 - -   (315220)
$\dfrac{(5b^{1/4} + 10)(b^{3/4} - 2b^{1/2})}{4b - 16b^{1/2}}$ ni soddalashtiring.
A) $1\dfrac{1}{4}$ B) $\dfrac{1}{5}$ C) 1   D) 5

1024.   2.5-2 file-» 15 - 1 - -   (315221)
$\dfrac{(8,7^2 - 11,3^2)(13^2 - 12,6^2)}{(4,2^2 - 5,8^2)(2,3^2 - 0,3^2)}$ ni hisoblang.
A) 32   B) $0,32$ C) $3,2$ **D)** $6,4$

1025.   2.5-2 file-» 15 - 1 - -   (315222)
$\dfrac{x^4 + 1}{x^2 - x\sqrt{2} + 1}$ ni qisqartiring.
A) $x^2 + 1$ B) $x^2 - x\sqrt{2} - 1$
C) $x^2 + \sqrt{2}x + 1$ D) $x^2 - 1$

1026.   2.5-2 file-» 2 - 1 - - 6   (315223)
$a = 2^5 + 2^{-5}$ va $b = 2^5 - 2^{-5}$ bo'lsa, $a^2 - b^2 - 2$ nimaga teng?
A) 0   **B)** 2   C) $\dfrac{1}{2}$ D) $\dfrac{1}{4}$

1027.   2.5-2 file-» 2 - 1 - - 6   (315224)
$\sqrt{a} - \sqrt{b} = 3$ va $a - b = 24$ bo'lsa, $\sqrt{a} + \sqrt{b}$ nimaga teng?
A) 6   B) 4   C) 5   **D)** 8

1028.   2.5-2 file-» 22 - 19 - - 4   (315225)
$(\sqrt{7} + \sqrt{2} + 1)(\sqrt{7} - 1 - \sqrt{2})$ ni soddalashtiring.
A) $4 + 2\sqrt{2}$ B) $2 - \sqrt{2}$ C) $4 - \sqrt{2}$
D) $4 - 2\sqrt{2}$

1029.   2.5-2 file-» 12 - 2 - - 7   (315226)
$\dfrac{(32 - 16a^{\frac{1}{4}}) \cdot (2a^{\frac{1}{4}} + a^{\frac{1}{2}})}{8a^{\frac{1}{4}} - 2a^{\frac{3}{4}}}$ kasrni qisqartiring.
A) 15   B) 4   C) $7,5$ **D)** 8

1030.　　2.5-2 file-» 30 - 1 - - 12　　(315227)
Amallarni bajaring:
$$\frac{9}{5-\sqrt{7}} - \frac{22}{7+\sqrt{5}} + \frac{1}{\sqrt{7}+\sqrt{5}}.$$
A) $\sqrt{7}-1$　B) 6　C) $\sqrt{7}-\sqrt{5}$　D) 5

1031.　　2.5-2 file-» 23 - 16 - - 1　　(315228)
Agar $a^2 - 6a + 10 + b^2 + 2b = 0$ bo'lsa, $(a+b)^3$ ning qiymatini toping.
A) 64　B) 27　**C)** 8　D) 25

1032.　　2.5-2 file-» 23 - 17 - - 7　　(315229)
$\left(a^3 - 3a^2b + 3ab^2 - b^3\right)(a+b) : \left(ab - \dfrac{a^3+b^3}{a+b}\right)$
ni soddalashtiring.
A) $b^2 - a^2$　B) $a^2 - b^2$　C) $(a-b)^2$
D) $(a+b)^2$

1033.　　2.5-2 file-» 29 - 1 - - 8　　(315230)
$\sqrt[6]{3-2\sqrt{2}} : \sqrt[3]{\sqrt{2}-1} + 1$ ni hisoblang.
A) 3　**B)** 2　C) 1　D) -1

1034.　　2.5-2 file-» 16 - 7 - - 6　　(315231)
Agar $a = \sqrt{2}$ va $b = \sqrt[3]{3}$ bo'lsa,
$\sqrt{a^2 - 2ab + b^2} - \sqrt{a^2 + 2ab + b^2}$ ning qiymatini hisoblang.
A) $\sqrt{8}$　B) $-\sqrt[3]{12}$　**C)** $-\sqrt{8}$　D) $\sqrt[3]{24}$

1035.　　2.5-2 file-» 23 - 19 - - 2　　(315232)
Agar $a = 6 + \sqrt{3}$ va $b = 6 - \sqrt{3}$ bo'lsa,
$\dfrac{a^3 - b^3}{a^2 - b^2} : \dfrac{a^2 + ab + b^2}{a^3 + 3a^2b + 3ab^2 + b^3}$ ning qiymatini hisoblang.
A) 144　B) 198　C) 196　D) 169

1036.　　2.5-2 file-» 19 - 5 - - 2　　(315233)
$\dfrac{3,6 \cdot (1,7^3 - 1,5^3)}{5,1^2 + 5,1 \cdot 4,5 + 4,5^2}$ ni hisoblang.
A) $0,45$　**B)** $0,08$　C) $0,3$　D) $0,06$

1037.　　2.5-2 file-» 23 - 22 - - 1　　(315234)
$\sqrt{2+\sqrt{3}} + \sqrt{2-\sqrt{3}}$ ni soddalashtiring.
A) $\sqrt{3}$　**B)** $\sqrt{6}$　C) $2\sqrt{2}$　D) $\sqrt{2}$

1038.　　2.5-2 file-» 22 - 2 - - 1　　(704190)
$\dfrac{0,4^2 - 1}{2,8 \cdot 0,4 - 2,8}$ ni hisoblang.
A) $\dfrac{1}{2}$　B) $-\dfrac{1}{2}$　C) -5　D) 5

1039.　　2.5-2 file-» 22 - 3 - - 1　　(704191)
$\dfrac{4,5^2 - 1,5^2}{0,3 \cdot 0,5 - 0,3}$ ni hisoblang.
A) -200　**B)** -120　C) 200　D) -2

1040.　　2.5-2 file-» 22 - 4 - - 1　　(704192)
$\dfrac{0,2^2 + 2 \cdot 0,2 \cdot 0,3 + 0,3^2}{0,5 \cdot 0,4 - 0,5 \cdot 0,8}$ ni hisoblang.
A) -25　B) $-2,5$　C) -1　**D)** $-1,25$

1041.　　2.5-2 file-» 28 - 2 - - 1　　(704193)
Agar $x = 2,5$ va $y = -1,5$ bo'lsa,
$x^3 - x^2y - xy^2 + y^3$ ni hisoblang.
A) *10*　**B)** *16*　C) *8*　D) *25*

1042.　　2.5-2 file-» 28 - 2 - - 1　　(704194)
$\dfrac{a^{-3} + b^{-3}}{a^2 - ab + b^2} \cdot a^3b^3 - \dfrac{a^2 - b^2}{a - b}$ ni soddalashtiring.
A) $(a+b)^2$　**B)** *0*　C) ab　D) $a - b$

1043.　　2.5-2 file-» 12 - 1 - - 1　　(704195)
$\dfrac{(5b^{1/4} + 10)(b^{3/4} - 2b^{1/2})}{4b - 16b^{1/2}}$ ni soddalashtiring.
A) $1\dfrac{1}{4}$　B) $\dfrac{1}{5}$　C) 1　D) 5

1044.　　2.5-2 file-» 15 - 1 - - 1　　(704196)
$\dfrac{(8,7^2 - 11,3^2)(13^2 - 12,6^2)}{(4,2^2 - 5,8^2)(2,3^2 - 0,3^2)}$ ni hisoblang.
A) 32　B) $0,32$　C) $3,2$　**D)** $6,4$

1045.　　2.5-2 file-» 15 - 1 - - 1　　(704197)
$\dfrac{x^4 + 1}{x^2 - x\sqrt{2} + 1}$ ni qisqartiring.
A) $x^2 + 1$　B) $x^2 - x\sqrt{2} - 1$
C) $x^2 + \sqrt{2}x + 1$　D) $x^2 - 1$

1046.　　2.5-2 file-» 2 - 1 - - 1　　(704198)
$a = 2^5 + 2^{-5}$ va $b = 2^5 - 2^{-5}$ bo'lsa, $a^2 - b^2 - 2$ nimaga teng?
A) 0　**B)** 2　C) $\dfrac{1}{2}$　D) $\dfrac{1}{4}$

1047.　　2.5-2 file-» 2 - 1 - - 1　　(704199)
$\sqrt{a} - \sqrt{b} = 3$ va $a - b = 24$ bo'lsa, $\sqrt{a} + \sqrt{b}$ nimaga teng?
A) 6　B) 4　C) 5　**D)** 8

1048.　　2.5-2 file-» 22 - 19 - - 1　　(704200)
$(\sqrt{7} + \sqrt{2} + 1)(\sqrt{7} - 1 - \sqrt{2})$ ni soddalashtiring.
A) $4 + 2\sqrt{2}$　B) $2 - \sqrt{2}$　C) $4 - \sqrt{2}$
D) $4 - 2\sqrt{2}$

1049.　　2.5-2 file-» 12 - 2 - - 1　　(704201)
$\dfrac{(32 - 16a^{\frac{1}{4}}) \cdot (2a^{\frac{1}{4}} + a^{\frac{1}{2}})}{8a^{\frac{1}{4}} - 2a^{\frac{3}{4}}}$ kasrni qisqartiring.
A) 15　B) 4　C) $7,5$　**D)** 8

1050.　　2.5-2 file-» 30 - 1 - - 1　　　　(704202)
Amallarni bajaring:
$$\frac{9}{5-\sqrt{7}} - \frac{22}{7+\sqrt{5}} + \frac{1}{\sqrt{7}+\sqrt{5}}.$$
A) $\sqrt{7}-1$　　B) 6　　C) $\sqrt{7}-\sqrt{5}$　　D) 5

1051.　　2.5-2 file-» 23 - 16 - - 1　　　　(704203)
Agar $a^2 - 6a + 10 + b^2 + 2b = 0$ bo'lsa, $(a+b)^3$
ning qiymatini toping.
A) 64　　B) 27　　**C)** 8　　D) 25

1052.　　2.5-2 file-» 23 - 17 - - 1　　　　(704204)
$\left(a^3 - 3a^2 b + 3ab^2 - b^3\right)(a+b) : \left(ab - \dfrac{a^3+b^3}{a+b}\right)$
ni soddalashtiring.
A) $b^2 - a^2$　　B) $a^2 - b^2$　　C) $(a-b)^2$
D) $(a+b)^2$

1053.　　2.5-2 file-» 6 - 3 - - 2　　　　(719219)
$\sqrt{11 - 2\sqrt{28}} - \sqrt{11 + 2\sqrt{28}}$ ayirmaning
qiymatini toping.
A) -3　　B) -6　　**C)** -4　　D) -5

1054.　　2.5-2 file-» 6 - 4 - - 2　　　　(719220)
$\sqrt{11 + 2\sqrt{28}} - \sqrt{11 - 2\sqrt{28}}$ ayirmaning
qiymatini toping.
A) 4　　B) 5　　C) 6　　D) 3

1055.　　2.5-2 file-» 6 - 6 - - 2　　　　(719222)
$\sqrt{18 + 4\sqrt{8}} + \sqrt{18 - 4\sqrt{8}}$ yig'indining qiymatini
toping.
A) 6　　B) 4　　**C)** 8　　D) 5

1056.　　2.5-2 file-» 4 - 7 - - 2　　　　(719223)
$\dfrac{(\sqrt{m}+n)\sqrt{m - 2\sqrt{m}\cdot n + n^2}}{m - n^2} + 1$ ifodani
$m = 15$ va $n = 3\sqrt{2}$ bo'lganda hisoblang.
A) 1　　B) -1　　C) -3　　**D)** 0

1057.　　2.5-2 file-» 4 - 8 - - 2　　　　(719224)
$\dfrac{(x+\sqrt{y})\sqrt{y - 2\sqrt{y}x + x^2}}{y - x^2} + 1$ ifodani $x = 2\sqrt{6}$
va $y = 23$ bo'lganda hisoblang.
A) 1　　B) -1　　**C)** 0　　D) $-\dfrac{1}{2}$

1058.　　2.5-2 file-» 15 - 1 - - 2　　　　(719225)
$(\sqrt{3-\sqrt{5}} + \sqrt{3+\sqrt{5}})^2 \cdot 0,5^{-3}$ ni hisoblang.
A) 80　　B) 90　　C) 40　　D) 64

1059.　　2.5-2 file-» 15 - 2 - - 2　　　　(719226)
$\dfrac{(4,4^2 - 4^2)\cdot(16,7^2 - 6,7^2)}{(12^2 - 11,4^2)\cdot(6,4^2 - 3,6^2)}$ ni hisoblang.
A) 2　　B) $\dfrac{21}{50}$　　C) $1\dfrac{8}{21}$　　D) $\dfrac{7}{50}$

1060.　　2.5-2 file-» 15 - 2 - - 2　　　　(719227)
$(\sqrt[6]{9 + 4\sqrt{5}} - \sqrt[3]{\sqrt{5}+2}) \cdot \sqrt[3]{\sqrt{5}-2}$ ni hisoblang.
A) 2　　B) 1　　C) 3　　**D)** 0

1061.　　2.5-2 file-» 15 - 2 - - 2　　　　(719228)
$\dfrac{x^2 + x + 1}{x^4 + x^2 + 1}$ ni qisqartiring.
A) $\dfrac{1}{x^2 + x + 1}$　　B) $\dfrac{1}{x^2 - 2x - 1}$
C) $\dfrac{1}{x^2 - x + 1}$　　D) $\dfrac{1}{x^2 - x - 1}$

1062.　　2.5-2 file-» 51 - 1 - -　　　　(719229)
$(\sqrt[3]{64} + 2\sqrt[3]{5} + \sqrt[3]{25})(2 - \sqrt[3]{5})$ ni hisoblang.
A) $-\dfrac{1}{2}$　　**B)** 3　　C) 5　　D) 7

1063.　　2.5-2 file-» 51 - 1 - -　　　　(719230)
$\dfrac{\sqrt{x^2 - 6x + 9} + \sqrt{3-x} + x - 3}{x - 3}$ ni
soddalashtiring.
A) $\dfrac{\sqrt{3-x} + 2x - 6}{x - 3}$　　**B)** $\dfrac{\sqrt{3-x}}{x - 3}$
C) $\dfrac{\sqrt{3-x} - 2x + 6}{3 - x}$　　D) $\dfrac{\sqrt{3-x}}{3 - x}$

1064.　　2.5-2 file-» 51 - 2 - -　　　　(719231)
$\dfrac{9x^2 - y^2}{9x^2 + 6xy + y^2}$ kasrni qisqartiring.
A) $\dfrac{3x - y}{3x + y}$　　B) $\dfrac{3x + y}{3x - y}$　　C) $\dfrac{x + y}{3x + y}$
D) $\dfrac{x - y}{3x - y}$

1065.　　2.5-3 file-» 15 - 1 - -　　　　(56712)
$\dfrac{4a^2 - 12ab + 9b^2}{-2a^2 + ab + 3b^2}$ ни соддалаштиринг.
A) $\dfrac{3a - 2b}{a + b}$　　**B)** $\dfrac{3b - 2a}{a + b}$　　C) $\dfrac{2a - 3b}{a + b}$
D) $\dfrac{2a - 3b}{a - b}$

1066.　　2.5-3 file-» 16 - 1 - -　　　　(56833)
$(\sqrt{10} - \sqrt{2}) \cdot \sqrt{3 - \sqrt{5}} \cdot (3 + \sqrt{5}) - 2$ ни
ҳисобланг.
A) 8　　B) 4　　C) 10　　**D)** 6

1067.　　2.5-3 file-» 13 - 1 - - 1　　　　(64197)
$\sqrt{11 + 6\sqrt{2}} - \sqrt{11 - 6\sqrt{2}}$ ни ҳисобланг.
A) 6　　B) 22　　**C)** $\sqrt{8}$　　D) $3\sqrt{2}$

1068. 2.5-3 file-» 23 - 15 - - 2 (64298)

Агар $a = 8\sqrt{2}$ ва $b = 4\sqrt{2}$ бўлса,

$\dfrac{a^{\frac{3}{2}} - b^{\frac{3}{2}}}{a^{\frac{1}{2}} - b^{\frac{1}{2}}} - \dfrac{a^{\frac{3}{2}} + b^{\frac{3}{2}}}{a^{\frac{1}{2}} + b^{\frac{1}{2}}}$ нинг қиймати нечага тенг бўлади?

A) 16   B) 6   C) 8   D) 12

1069. 2.5-3 file-» 23 - 13 - - 10 (71091)

$\dfrac{\sqrt{3 + 2\sqrt{2}} + \sqrt{3 - 2\sqrt{2}} + \sqrt{2}}{4\sqrt{2}}$ ни ҳисобланг.

A) $\dfrac{\sqrt{2}}{4}$ B) $0,5$ C) $\dfrac{\sqrt{2}}{2}$ **D)** $0,75$

1070. 2.5-3 file-» 23 - 13 - - 10 (71094)

$\left(\dfrac{a^{\frac{3}{2}} + b^{\frac{3}{2}}}{(a^{\frac{1}{2}} + b^{\frac{1}{2}})^2} - \dfrac{a^{\frac{1}{2}} b^{\frac{1}{2}}}{a^{\frac{1}{2}} + b^{\frac{1}{2}}} \right) : (a - b)$ нинг $a = 0,36$

ва $b = 0,16$ бўлгандаги қийматини ҳисобланг.

A) $-\dfrac{1}{4}$ **B)** $\dfrac{1}{5}$ C) $\dfrac{1}{125}$ D) $-\dfrac{1}{5}$

1071. 2.5-3 file-» 16 - 4 - - 11 (72698)

$\dfrac{729a + 1}{81 \sqrt[3]{a^2} - 9a^{\frac{1}{3}} + 1} - \dfrac{729a - 1}{81a^{\frac{2}{3}} + 9\sqrt[3]{a} + 1} + 4$ ни соддалаштиринг.

A) 4   B) 5   **C)** 6   D) 9

1072. 2.5-3 file-» 5 - 11 - - 5 (93383)

$a^3 - 9a^2 + 27a - 19$ ни кўпайтувчиларга ажратинг.

A) $(a - 1)(a^2 - 8a + 19)$
B) $(a + 1)(a^2 + 8a - 19)$
C) $(a + 1)(a^2 + 8a + 19)$
D) $(a - 1)(a^2 + 8a - 19)$

1073. 2.5-3 file-» 5 - 11 - - 5 (93393)

$\dfrac{1}{\sqrt{2} + \sqrt{3} + \sqrt{5}}$ касрнинг махражини иррационалликдан қутқаринг.

A) $\dfrac{2\sqrt{3} + 3\sqrt{2} - \sqrt{30}}{12}$ B) $\dfrac{2\sqrt{3} - 3\sqrt{2} + \sqrt{30}}{12}$

C) $\dfrac{3\sqrt{2} - 2\sqrt{3} - \sqrt{30}}{12}$ D) $\dfrac{3\sqrt{2} - 2\sqrt{3} + \sqrt{30}}{12}$

1074. 2.5-3 file-» 19 - 3 - - 9 (94571)

$\sqrt{5 - 2\sqrt{6}} + \sqrt{5 + 2\sqrt{6}}$ ни ҳисобланг.

A) $2\sqrt{2}$ B) $-4\sqrt{6}$ C) $\sqrt{2}$ **D)** $2\sqrt{3}$

1075. 2.5-3 file-» 5 - 12 - - 10 (96125)

$\sqrt{\dfrac{9 + \sqrt{65}}{2}} + \sqrt{\dfrac{9 - \sqrt{65}}{2}}$ ни ҳисобланг.

A) $\sqrt{13}$ B) $9 - \sqrt{10}$ C) $\sqrt{5}$ D) $7 - \sqrt{2}$

1076. 2.5-3 file-» 30 - 2 - - 9 (112387)

$\sqrt[3]{a} = \sqrt[3]{c} + \sqrt[3]{b}$ бўлса, $(a - b - c)^3$ ни топинг.

A) $-27abc$ B) $81abc$ C) $-81a^2b^2c^2$
D) $27abc$

1077. 2.5-3 file-» 32 - 2 - - 11 (119864)

$\dfrac{2,72^4 - 0,72^4}{3,44^2 - 2,72 \cdot 1,44}$ ни ҳисобланг.

A) $5,68$ **B)** $6,88$ C) $5,28$ D) $6,84$

1078. 2.5-3 file-» 2 - 42 - - 4 (131673)

$\sqrt[3]{2001 \cdot 1997 - 1998 \cdot 2000 + 9}$ ни ҳисобланг.

A) 2   B) $\sqrt[3]{13}$ C) $\sqrt[3]{17}$ **D)** $\sqrt[3]{6}$

1079. 2.5-3 file-» 32 - 3 - - 2 (139897)

$\dfrac{\sqrt[3]{26 - 15\sqrt{3}} \cdot (2 - \sqrt{3})}{28 - 16\sqrt{3}}$ ни соддалаштиринг.

A) 1   B) $\dfrac{1}{3}$ C) $2 - \sqrt{3}$ **D)** $\dfrac{1}{4}$

1080. 2.5-3 file-» 15 - 1 - - (315235)

$\dfrac{4a^2 - 12ab + 9b^2}{-2a^2 + ab + 3b^2}$ ni soddalashtiring.

A) $\dfrac{3a - 2b}{a + b}$ **B)** $\dfrac{3b - 2a}{a + b}$ C) $\dfrac{2a - 3b}{a + b}$

D) $\dfrac{2a - 3b}{a - b}$

1081. 2.5-3 file-» 16 - 1 - - (315236)

$(\sqrt{10} - \sqrt{2}) \cdot \sqrt{3 - \sqrt{5}} \cdot (3 + \sqrt{5}) - 2$ ni hisoblang.

A) 8   B) 4   C) 10   **D)** 6

1082. 2.5-3 file-» 13 - 1 - - 1 (315237)

$\sqrt{11 + 6\sqrt{2}} - \sqrt{11 - 6\sqrt{2}}$ ni hisoblang.

A) 6   B) 22   **C)** $\sqrt{8}$ D) $3\sqrt{2}$

1083. 2.5-3 file-» 23 - 15 - - 2 (315238)

Agar $a = 8\sqrt{2}$ va $b = 4\sqrt{2}$ bo'lsa,

$\dfrac{a^{\frac{3}{2}} - b^{\frac{3}{2}}}{a^{\frac{1}{2}} - b^{\frac{1}{2}}} - \dfrac{a^{\frac{3}{2}} + b^{\frac{3}{2}}}{a^{\frac{1}{2}} + b^{\frac{1}{2}}}$ ning qiymati nechaga teng bo'ladi?

A) 16   B) 6   C) 8   D) 12

1084. 2.5-3 file-» 23 - 13 - - 10 (315239)

$\dfrac{\sqrt{3 + 2\sqrt{2}} + \sqrt{3 - 2\sqrt{2}} + \sqrt{2}}{4\sqrt{2}}$ ni hisoblang.

A) $\dfrac{\sqrt{2}}{4}$ B) $0,5$ C) $\dfrac{\sqrt{2}}{2}$ **D)** $0,75$

1085. 2.5-3 file-» 23 - 13 - - 10 (315240)

$\left(\dfrac{a^{\frac{3}{2}} + b^{\frac{3}{2}}}{(a^{\frac{1}{2}} + b^{\frac{1}{2}})^2} - \dfrac{a^{\frac{1}{2}} b^{\frac{1}{2}}}{a^{\frac{1}{2}} + b^{\frac{1}{2}}} \right) : (a - b)$ ning $a = 0,36$

va $b = 0,16$ bo'lgandagi qiymatini hisoblang.

A) $-\dfrac{1}{4}$ **B)** $\dfrac{1}{5}$ C) $\dfrac{1}{125}$ D) $-\dfrac{1}{5}$

1086.   2.5-3 file-» 16 - 4 - - 11   (315241)

$$\frac{729a+1}{81\sqrt[3]{a^2}-9a^{\frac{1}{3}}+1} - \frac{729a-1}{81a^{\frac{2}{3}}+9\sqrt[3]{a}+1} + 4 \text{ ni}$$

soddalashtiring.

A) 4   B) 5   **C) 6**   D) 9

1087.   2.5-3 file-» 5 - 11 - - 5   (315242)

$a^3 - 9a^2 + 27a - 19$ ni ko'paytuvchilarga ajrating.

A) $(a-1)(a^2-8a+19)$
B) $(a+1)(a^2+8a-19)$
C) $(a+1)(a^2+8a+19)$
D) $(a-1)(a^2+8a-19)$

1088.   2.5-3 file-» 5 - 11 - - 5   (315243)

$\dfrac{1}{\sqrt{2}+\sqrt{3}+\sqrt{5}}$ kasrning maxrajini

irratsionallikdan qutqaring.

A) $\dfrac{2\sqrt{3}+3\sqrt{2}-\sqrt{30}}{12}$ B) $\dfrac{2\sqrt{3}-3\sqrt{2}+\sqrt{30}}{12}$

C) $\dfrac{3\sqrt{2}-2\sqrt{3}-\sqrt{30}}{12}$ D) $\dfrac{3\sqrt{2}-2\sqrt{3}+\sqrt{30}}{12}$

1089.   2.5-3 file-» 19 - 3 - - 9   (315244)

$\sqrt{5-2\sqrt{6}}+\sqrt{5+2\sqrt{6}}$ ni hisoblang.

A) $2\sqrt{2}$ B) $-4\sqrt{6}$ C) $\sqrt{2}$ **D) $2\sqrt{3}$**

1090.   2.5-3 file-» 5 - 12 - - 10   (315245)

$\sqrt{\dfrac{9+\sqrt{65}}{2}}+\sqrt{\dfrac{9-\sqrt{65}}{2}}$ ni hisoblang.

A) $\sqrt{13}$ B) $9-\sqrt{10}$ C) $\sqrt{5}$ D) $7-\sqrt{2}$

1091.   2.5-3 file-» 30 - 2 - - 9   (315246)

$\sqrt[3]{a}=\sqrt[3]{c}+\sqrt[3]{b}$ bo'lsa, $(a-b-c)^3$ ni toping.

A) $-27abc$ B) $81abc$ C) $-81a^2b^2c^2$
D) $27abc$

1092.   2.5-3 file-» 32 - 2 - - 11   (315247)

$\dfrac{2,72^4-0,72^4}{3,44^2-2,72\cdot1,44}$ ni hisoblang.

A) $5,68$ **B) $6,88$**   C) $5,28$ D) $6,84$

1093.   2.5-3 file-» 2 - 42 - - 4   (315248)

$\sqrt[3]{2001\cdot1997-1998\cdot2000+9}$ ni hisoblang.

A) 2   B) $\sqrt[3]{13}$ C) $\sqrt[3]{17}$ **D) $\sqrt[3]{6}$**

1094.   2.5-3 file-» 32 - 3 - - 2   (315249)

$\dfrac{\sqrt[3]{26-15\sqrt{3}}\cdot(2-\sqrt{3})}{28-16\sqrt{3}}$ ni soddalashtiring.

A) 1   B) $\dfrac{1}{3}$ C) $2-\sqrt{3}$ **D) $\dfrac{1}{4}$**

1095.   2.5-3 file-» 5 - 3 - -   (401726)

m ning qanday qiymatida

$x(x+3a)(x+b)(x+3a+b)+\dfrac{m^2}{4}$ ifoda to'la

kvadrat bo'ladi?

A) *To'g'ri javob keltirilmagan.*   B) $\pm\dfrac{ab}{3}$

C) $4a^2b^2$ **D) $\pm3ab$**

1096.   2.5-3 file-» 5 - 4 - -   (401727)

m ning qanday qiymatida

$x(x+a)(x+3b)(x+a+3b)+\dfrac{9m^2}{4}$ ifoda to'la

kvadrat bo'ladi?

A) *To'g'ri javob keltirilmagan.*   **B) $\pm ab$**

C) $\pm\dfrac{3}{2}ab$ D) $\dfrac{4}{9}a^2b^2$

1097.   2.5-3 file-» 5 - 5 - -   (401728)

m ning qanday qiymatida

$x(x+3a)(x+b)(x+3a+b)+\dfrac{9m^2}{16}$ ifoda to'la

kvadrat bo'ladi?

A) $\pm2ab$ B) $\pm\dfrac{ab}{2}$ C) $\dfrac{16}{9}a^2b^2$

D) *To'g'ri javob keltirilmagan.*

1098.   2.5-3 file-» 6 - 3 - -   (401729)

$\dfrac{a+a\sqrt{a}}{\sqrt[3]{a^2}-\sqrt[6]{a^5}+a} - \dfrac{\sqrt[3]{a^2}-a}{\sqrt[3]{a}+\sqrt{a}} - 2\sqrt{a}$ ni

soddalashtiring.

A) 0   B) $2\sqrt[3]{a}$ C) $2\sqrt{a}$ D) $\sqrt{a}-\sqrt[3]{a}$

1099.   2.5-3 file-» 13 - 4 - -   (401730)

m ning qanday qiymatida
$x(x+a)(x+4b)(x+a+4b)+100m^2$ ifoda to'la
kvadrat bo'ladi?

A) *To'g'ri javob keltirilmagan.*   B) $\pm5ab$

C) $\dfrac{a^2b^2}{100}$ **D) $\pm\dfrac{ab}{5}$**

1100.   2.5-3 file-» 13 - 4 - -   (401731)

$\dfrac{a-a\sqrt{a}}{\sqrt[3]{a^2}+\sqrt[6]{a^5}+a} - \dfrac{\sqrt[3]{a^2}-a}{\sqrt[3]{a}+\sqrt{a}} - 2\sqrt[3]{a}$ ni

soddalashtiring.

A) $-2\sqrt[3]{a}$ B) $-2\sqrt{a}$ C) $-\sqrt{a}-\sqrt[3]{a}$
D) 0

1101.   2.5-3 file-» 15 - 1 - -   (401732)

m ning qanday qiymatida
$x(x+4a)(x+b)(x+4a+b)+m^2$ ifoda to'la
kvadrat bo'ladi?

A) *To'g'ri javob keltirilmagan.*   B) $\pm\dfrac{ab}{4}$

C) a^2b^2 **D) $\pm2ab$**

1102.   2.5-3 file-» 15 - 2 - -   (401733)
m ning qanday qiymatida
$x(x + a)(x + 2b)(x + a + 2b) + m^2$ ifoda to'la
kvadrat bo'ladi?

A) *To'g'ri javob berilmagan.*   B) $\pm\dfrac{ab}{2}$

C) a^2b^2 **D)** $\pm ab$

1103.   2.5-3 file-» 16 - 2 - -   (401734)
m ning qanday qiymatida
$x(x + 5a)(x + 2b)(x + 5a + 2b) + 25m^2$ ifoda to'la
kvadrat bo'ladi?

A) *To'g'ri javob keltirilmagan.*   **B)** $\pm ab$

C) $\pm\dfrac{ab}{5}$ D) $\dfrac{a^2b^2}{25}$

1104.   2.5-3 file-» 17 - 1 - -   (401735)
$\sqrt{9 + 3\sqrt{3} - \sqrt{9 - 3\sqrt{3} - \sqrt{7 + 4\sqrt{3}}}}$ ni
soddalashtiring.

A) $2 - \sqrt{3}$ B) $1 + \sqrt{3}$ C) $\sqrt{3} - 1$
D) $2 + \sqrt{3}$

1105.   2.5-3 file-» 17 - 1 - -   (401736)
$\dfrac{a - a\sqrt{a}}{\sqrt[3]{a^2} + \sqrt[6]{a^5} + a} - \dfrac{\sqrt[3]{a^2} - a}{\sqrt[3]{a} + \sqrt{a}} + 2\sqrt{a}$ ni
soddalashtiring.

A) $2\sqrt{a}$ B) $2\sqrt[3]{a}$ C) $a + \sqrt{a}$
D) $\sqrt{a} + \sqrt[3]{a}$

1106.   2.5-3 file-» 17 - 1 - -   (401737)
$\dfrac{a + a\sqrt{a}}{\sqrt[3]{a^2} - \sqrt[6]{a^5} + a} + \dfrac{\sqrt[3]{a^2} - a}{\sqrt[3]{a} - \sqrt{a}} - 2\sqrt[3]{a}$ ni
soddalashtiring.

A) $2\sqrt{a}$ B) $2\sqrt[3]{a}$ C) $\sqrt{a} + \sqrt[3]{a}$ D) 0

1107.   2.5-3 file-» 17 - 1 - -   (401738)
$\dfrac{a + a\sqrt{a}}{\sqrt[3]{a^2} - \sqrt[6]{a^5} + a} - \dfrac{\sqrt[3]{a^2} - a}{\sqrt[3]{a} - \sqrt{a}} + 2\sqrt[3]{a}$ ni
soddalashtiring.

A) $2\sqrt[3]{a}$ B) $2\sqrt{a}$ C) $\sqrt{a} + \sqrt[3]{a}$ D) 0

1108.   2.5-3 file-» 19 - 1 - - 8   (401739)
$\sqrt{5 - 5\sqrt{3} + \sqrt{9 + 3\sqrt{3} - \sqrt{7 - 4\sqrt{3}}}}$ ni
soddalashtiring.

A) $2 + \sqrt{3}$ B) $\sqrt{3} - 1$ C) $\sqrt{3} + 1$
D) $2 - \sqrt{3}$

1109.   2.5-3 file-» 30 - 1 - - 12   (401740)
m ning qanday qiymatida
$x(x + 2a)(x + b)(x + 2a + b) + 9m^2$ ifoda to'la
kvadrat bo'ladi?

A) $\pm 3ab$ **B)** $\pm\dfrac{ab}{3}$ C) $\pm\dfrac{a^2b^2}{9}$

D) *To'g'ri javob keltirilmagan.*

1110.   2.5-4 file-» 5 - 3 - - 2   (704205)
m ning qanday qiymatida
$x(x + 3a)(x + b)(x + 3a + b) + \dfrac{m^2}{4}$ ifoda to'la
kvadrat bo'ladi?

A) *To'g'ri javob keltirilmagan.*   B) $\pm\dfrac{ab}{3}$

C) $4a^2b^2$ **D)** $\pm 3ab$

1111.   2.5-4 file-» 5 - 4 - - 2   (704206)
m ning qanday qiymatida
$x(x + a)(x + 3b)(x + a + 3b) + \dfrac{9m^2}{4}$ ifoda to'la
kvadrat bo'ladi?

A) *To'g'ri javob keltirilmagan.*   **B)** $\pm ab$

C) $\pm\dfrac{3}{2}ab$ D) $\dfrac{4}{9}a^2b^2$

1112.   2.5-4 file-» 5 - 5 - - 2   (704207)
m ning qanday qiymatida
$x(x + 3a)(x + b)(x + 3a + b) + \dfrac{9m^2}{16}$ ifoda to'la
kvadrat bo'ladi?

A) $\pm 2ab$ B) $\pm\dfrac{ab}{2}$ C) $\dfrac{16}{9}a^2b^2$

D) *To'g'ri javob keltirilmagan.*

1113.   2.5-4 file-» 6 - 4 - - 2   (704208)
$\sqrt{15 + 9\sqrt{3} - \sqrt{2 - 4\sqrt{3} + 2\sqrt{4 + 2\sqrt{3}}}}$ ni
soddalashtiring.

A) $2\sqrt{3} + 2$ B) $2\sqrt{3} - 2$ C) $2\sqrt{3} + 1$
D) $2\sqrt{3} - 1$

1114.   2.5-4 file-» 22 - 15 - - 2   (704209)
$\sqrt{8 - 3\sqrt{2} - \sqrt{4 + 5\sqrt{2} + \sqrt{6 - 4\sqrt{2}}}}$ ni
hisoblang.

A) $\sqrt{2} - 1$ **B)** $2 - \sqrt{2}$ C) $2 + \sqrt{2}$
D) $3 - \sqrt{2}$

1115.   2.5-4 file-» 28 - 1 - - 2   (704210)
$(x - 2y)^3 - (3z - 2y)^3 - (x - 3z)^3$ ko'phadni
ko'paytuvchilarga ajrating.

A) *Ko'paytuvchilarga ajralmaydi.*
B) $3(x - 3z)(x - 2y)(3z - 2y)$
C) $6(x - 3z)(x - 2y)(3z - 2y)$
D) $-3(x - 2y)(3z - 2y)(x - 3z)$

1116.   2.5-4 file-» 28 - 2 - - 2   (704211)
$(3z - x)^3 + (x - 2y)^3 - (3z - 2y)^3$ ko'phadni
ko'paytuvchilarga ajrating.

A) $-3(3z - 2y)(3z - x)(x - 2y)$
B) $-6(3z - 2y)(3z - x)(x - 2y)$
C) $3(3z - x)(x - 2y)(3z - 2y)$
D) *Ko'paytuvchilarga ajralmaydi.*

1117.   2.5-4 file-» 28 - 2 - - 2   (704212)
$(2y - 3z)^3 - (x - 3z)^3 - (2y - x)^3$ ko'phadni ko'paytuvchilarga ajrating.

A) *Ko'paytuvchilarga ajralmaydi.*
B) $3(2y - x)(2y - 3z)(x - 3z)$
C) $6(2y - x)(2y - 3z)(x - 3z)$
D) $-3(2y - 3z)(x - 3z)(2y - x)$

1118.   2.5-4 file-» 13 - 3 - - 2   (704213)
$(3z - x)^3 - (2y - x)^3 - (3z - 2y)^3$ ko'phadni ko'paytuvchilarga ajrating.

A) *Ko'paytuvchilarga ajralmaydi.*
B) $3(3z - 2y)(3z - x)(2y - x)$
C) $6(3z - 2y)(3z - x)(2y - x)$
D) $-3(3z - x)(2y - x)(3z - 2y)$

1119.   2.5-4 file-» 13 - 4 - - 2   (704214)
$\sqrt{15 - 9\sqrt{3} + \sqrt{2 + 4\sqrt{3} - 2\sqrt{4 - 2\sqrt{3}}}}$ ni soddalashtiring.

A) $2\sqrt{3} - 2$ B) $2\sqrt{3} + 2$ C) $2\sqrt{3} - 1$
D) $2\sqrt{3} + 1$

1120.   2.5-4 file-» 15 - 1 - - 2   (704215)
m ning qanday qiymatida
$x(x + 4a)(x + b)(x + 4a + b) + m^2$ ifoda to'la kvadrat bo'ladi?

A) *To'g'ri javob keltirilmagan.*   B) $\pm\dfrac{ab}{4}$

C) $a^2 b^2$ **D)** $\pm 2ab$

1121.   2.5-4 file-» 15 - 1 - - 2   (704216)
$\sqrt{8 + 3\sqrt{2} - \sqrt{8 - 3\sqrt{2} - \sqrt{6 + 4\sqrt{2}}}}$ ni hisoblang.
A) $1 + \sqrt{2}$ B) $\sqrt{2} - 1$ C) $2 - \sqrt{2}$
D) $2 + \sqrt{2}$

1122.   2.5-4 file-» 15 - 2 - - 2   (704217)
$(3x - 2y)^3 + (2y - z)^3 - (3x - z)^3$ ko'phadni ko'paytuvchilarga ajrating.

A) *Ko'paytuvchilarga ajralmaydi.*
B) $-3(3x - z)(3x - 2y)(2y - z)$
C) $-6(3x - z)(3x - 2y)(2y - z)$
D) $3(3x - 2y)(2y - z)(3x - z)$

1123.   2.5-4 file-» 16 - 2 - - 2   (704218)
m ning qanday qiymatida
$x(x + 5a)(x + 2b)(x + 5a + 2b) + 25m^2$ ifoda to'la kvadrat bo'ladi?
A) *To'g'ri javob keltirilmagan.*   **B)** $\pm ab$

C) $\pm\dfrac{ab}{5}$ D) $\dfrac{a^2 b^2}{25}$

1124.   2.6-1 file-» 50 - 18 - -   (704219)
a ning qanday qiymatlarida $2x - y = 11$ va $x - ay = 18$ to'g'ri chiziqlar kesishadi?

A) $a \neq \dfrac{1}{2}$ B) $a = \dfrac{18}{11}$ C) $a \neq \dfrac{18}{11}$

D) $a = \dfrac{1}{2}$

1125.   2.6-1 file-» 50 - 18 - -   (704220)
a ning qanday qiymatlarida $2x - 3y = 6$ va $ax - 6y = 8$ to'g'ri chiziqlar kesishadi?

A) $a = \dfrac{8}{3}$ **B)** $a \neq 4$ C) $a \neq \dfrac{8}{3}$ D) $a = 4$

1126.   2.6-1 file-» 50 - 18 - -   (704221)
a ning qanday qiymatlarida $5x + ay = 15$ va $10x - 6y = 5$ to'g'ri chiziqlar kesishadi?
A) $a = -3$ B) $a \neq -18$ **C)** $a \neq -3$
D) $a = -18$

1127.   2.6-1 file-» 50 - 18 - -   (704222)
a ning qanday qiymatlarida $4x + 2y = 5$ va $2x - ay = 1$ to'g'ri chiziqlar kesishadi?

A) $a = -1$ B) $a \neq -\dfrac{2}{5}$ C) $a = -\dfrac{2}{5}$

D) $a \neq -1$

1128.   2.6-1 file-» 50 - 18 - -   (704223)
a va b ning qanday qiymatlarida $\begin{cases} ax - 9y = 4, \\ 4x - 6y = b \end{cases}$ tenglamalar sistemasi yechimga ega emas?

A) $a = 6;\ b \neq \dfrac{8}{3}$ B) $a \neq 6;\ b = \dfrac{8}{3}$

C) $a = 6;\ b = \dfrac{8}{3}$ D) $a \neq 6;\ b \neq \dfrac{8}{3}$

1129.   2.6-1 file-» 50 - 18 - -   (704224)
a va b ning qanday qiymatlarida $\begin{cases} 4x - ay = 12, \\ 6x - 15y = b \end{cases}$ tenglamalar sistemasi yechimga ega emas?
A) $a \neq 10,\ b = 18$ **B)** $a = 10,\ b \neq 18$
C) $a = 10,\ b = 18$ D) $a \neq 10,\ b \neq 18$

1130.   2.6-1 file-» 50 - 18 - -   (704225)
a va b ning qanday qiymatlarida $\begin{cases} ax - 5y = 4, \\ 3x - 2,5y = b \end{cases}$ tenglamalar sistemasi yechimga ega emas?
A) $a \neq 6;\ b = 2$ B) $a = 6;\ b = 2$
C) $a = 6;\ b \neq 2$ D) $a \neq 6;\ b \neq 2$

1131.   2.6-1 file-» 50 - 18 - -   (704226)
a va b ning qanday qiymatlarida $\begin{cases} 3x - ay = 15, \\ 4,5x - 6y = b \end{cases}$ tenglamalar sistemasi yechimga ega emas?
A) $a \neq 4;\ b = 22,5$ B) $a = 4;\ b = 22,5$
C) $a \neq 4;\ b \neq 22,5$ **D)** $a = 4;\ b \neq 22,5$

1132.   2.6-1 file-» 50 - 18 - -   (704227)
a va b ning qanday qiymatlarida $\begin{cases} 2x - 3y = b, \\ ax - 4,5y = 6 \end{cases}$
tenglamalar sistemasi cheksiz ko'p yechimga ega?
A) $a = 3;\ b = 4$ B) $a \neq 3;\ b = 4$
C) $a = 3;\ b \neq 4$ D) $a = -3;\ b = 4$

1133.   2.6-1 file-» 50 - 18 - -   (704228)
a va b ning qanday qiymatlarida
$\begin{cases} ax - 6y = 7, \\ 3x - by = 10,5 \end{cases}$ tenglamalar sistemasi cheksiz
ko'p yechimga ega?
A) $a \neq 2;\ b = 9$ **B)** $a = 2;\ b = 9$
C) $a = 2;\ b \neq 9$ D) $a = -2;\ b = 9$

1134.   2.6-1 file-» 50 - 18 - -   (704229)
a va b ning qanday qiymatlarida $\begin{cases} 2x - ay = 4, \\ 3x - 4,5y = b \end{cases}$
tenglamalar sistemasi cheksiz ko'p yechimga ega?
A) $a \neq 3;\ b = 6$ B) $a = 3;\ b \neq 6$
C) $a = 3;\ b = 6$ D) $a = -3;\ b = 6$

1135.   2.6-1 file-» 50 - 18 - -   (704230)
a va b ning qanday qiymatlarida $\begin{cases} 4x - ay = 8, \\ 5x + 2,5y = b \end{cases}$
tenglamalar sistemasi cheksiz ko'p yechimga ega?
A) $a \neq -2;\ b = 10$ B) $a = -2;\ b \neq 10$
C) $a = -2;\ b = -10$ **D)** $a = -2;\ b = 10$

1136.   2.6-1 file-» 50 - 18 - -   (704231)
x ning qanday qiymatlarida $|x^2 - 64| = 64 - x^2$
tenglik o'rinli bo'ladi?
A) $x \leq -8$ **B)** $-8 \leq x \leq 8$ C) $x \geq 8$
D) $x \leq 8$

1137.   2.6-1 file-» 50 - 18 - -   (704232)
x ning qanday qiymatlarida $|x^2 - 81| = 81 - x^2$
tenglik o'rinli bo'ladi?
A) $x \geq -9$ B) $x \leq 9$ C) $x \geq 9$
D) $-9 \leq x \leq 9$

1138.   2.6-1 file-» 50 - 18 - -   (704233)
x ning qanday qiymatlarida
$|x^2 - 121| = 121 - x^2$ tenglik o'rinli bo'ladi?
A) $-11 \leq x \leq 11$ B) $x \leq -11$ C) $x \geq 11$
D) $x \geq -11$

1139.   2.6-1 file-» 22 - 2 - - 2   (719232)
m ning qanday qiymatlarida $(m^2 - 1)y + 1 = m$
tenglama yechimga ega bo'lmaydi?
A) $m = 1$ B) $m = 0$ **C)** $m = -1$
D) $m = 2$

1140.   2.6-1 file-» 22 - 2 - - 2   (719233)
$(x; y)$ sonlar jufti $\begin{cases} 2x - y = 5 \\ 3x + 2y = 4 \end{cases}$ sistemaning
yechimi bo'lsa, $y - x$ ni toping.
A) -3 B) -1 C) 3 D) 0

1141.   2.6-1 file-» 22 - 3 - - 2   (719234)
n ning qanday qiymatlarida $nx + 2 = n + 2x$
tenglama cheksiz ko'p yechimga ega bo'ladi?
A) $n = 0$ B) $n = 1$ **C)** $n = 2$ D) $n \neq 1$

1142.   2.6-1 file-» 22 - 4 - - 2   (719235)
a ning qanday qiymatlarida $ax = 3x + 1$
tenglama yechimga ega bo'lmaydi?
A) $a \neq 1$ B) $a = 2$ C) $a \neq 2$ **D)** $a = 3$

1143.   2.6-1 file-» 22 - 11 - - 2   (719236)
$(x + 4\frac{2}{9}) : 4\frac{1}{6} = 6$ tenglamani yeching.
A) $22\frac{2}{9}$ B) $21\frac{7}{9}$ C) $22\frac{1}{3}$ **D)** $20\frac{7}{9}$

1144.   2.6-1 file-» 22 - 11 - - 2   (719237)
Agar $(x - 5)(\frac{1}{5}x - 4) = 0$ bo'lsa, $\frac{1}{5}x - 4$ qanday
qiymatlar qabul qiladi?
A) $faqat\ 0$ B) $faqat\ -3$ **C)** $0\ yoki\ -3$
D) $0\ yoki\ 3$

1145.   2.6-1 file-» 22 - 12 - - 2   (719238)
$(2\frac{19}{22} + x) : 4\frac{1}{5} = 5$ tenglamani yeching.
A) $17\frac{19}{22}$ **B)** $18\frac{3}{22}$ C) $17\frac{3}{22}$ D) 21

1146.   2.6-1 file-» 22 - 12 - - 2   (719239)
$(8x + 1) \cdot (x - \frac{1}{4}) = 0$ bo'lsa, $8x + 1$ qanday
qiymatlar qabul qilishi mumkin?
A) $faqat\ -\frac{1}{8}$ B) $faqat\ \frac{1}{4}$ C) $faqat\ 0$
D) $0\ yoki\ 3$

1147.   2.6-1 file-» 22 - 1 - - 2   (719240)
$(x + 3\frac{22}{25}) : 7\frac{1}{3} = 3$ tenglamani yeching.
A) $20\frac{22}{25}$ B) $19\frac{22}{25}$ C) $19\frac{3}{25}$ **D)** $18\frac{3}{25}$

1148.   2.6-1 file-» 22 - 1 - - 2   (719241)
$(2x - 1)(x - 1,5) = 0$ bo'lsa, $2x - 1$ qanday
qiymatlar qabul qiladi?
A) $2\ yoki\ 0$ B) $faqat\ -\frac{1}{2}$ C) $0\ yoki\ -\frac{1}{2}$
D) $0\ yoki\ 1,5$

1149.   2.6-1 file-» 22 - 17 - - 2   (719242)
m ning qanday qiymatlarida $|3 - m| = m - 3$
tenglik o'rinli bo'ladi?
A) $m \geq 3$ B) $m \in R$ C) $m = 3$
D) $m > 3$

1150. 2.6-1 file-» 22 - 18 - - 2 (719243)
a ning qanday qiymatlarida $|a + 4| = -a - 4$
tenglik o'rinli bo'ladi?

A) $a = -4$ B) $a \in \phi$ C) $a < -4$
D) $a \leq -4$

1151. 2.6-1 file-» 2 - 41 - - 2 (719244)
m ning qanday qiymatida $\dfrac{6x - m}{2} = \dfrac{7mx - 1}{3}$
tenglamaning ildizi nolga teng bo'ladi?

A) $-\dfrac{2}{3}$ B) $\dfrac{4}{5}$ C) $-\dfrac{3}{2}$ **D)** $\dfrac{2}{3}$

1152. 2.6-1 file-» 16 - 12 - - 2 (719245)
k parametrning qanday qiymatlarida
$\begin{cases} kx - 3y = 6 \\ 3x - y = 4 \end{cases}$ tenglamalar sistemasi yechimga
ega emas?

A) 9   B) 2   C) 3   D) 6

1153. 2.6-1 file-» 22 - 25 - - 2 (719246)
$12\dfrac{1}{2} : 2\dfrac{1}{2} = 16\dfrac{2}{3} : \dfrac{y}{2}$ tenglamani yeching.

A) $6\dfrac{1}{3}$ **B)** $6\dfrac{2}{3}$ C) $4\dfrac{1}{6}$ D) $6\dfrac{5}{6}$

1154. 2.6-1 file-» 51 - 1 - - (719247)
$x : 0,75 = 2\dfrac{3}{8} : 3\dfrac{9}{16}$ proporsiyaning noma'lum
hadini toping.

A) $\dfrac{1}{4}$ B) 2   **C)** $\dfrac{1}{2}$ D) 4

1155. 2.6-1 file-» 51 - 2 - - (719248)
Agar $(3x - 1) \cdot (x - 2) = 0$ bo'lsa, $3x - 1$ ning
qiymati quyidagilardan qaysi biriga teng bo'ladi?

A) *faqat* $\dfrac{1}{3}$ B) *faqat* 0   C) $\dfrac{1}{3}$ *yoki* 2
D) 0 *yoki* 5

1156. 2.6-1 file-» 51 - 2 - - (719249)
a va b ning qanday qiymatlarida (3; 1) sonlar
$\begin{cases} ax + by = 13 \\ ax - by = -1 \end{cases}$ tenglamalar sistemasining
yechimi bo'ladi?

A) (2; 7)   B) (2; 6)   C) (7; 2)   D) (6; 2)

1157. 2.6-2 file-» 22 - 3 - - (14277)
Икки соннинг айирмаси 5 га тенг. Агар шу
сонлардан каттасининг 20% и кичигининг $\dfrac{7}{30}$
қисмига тенг бўлса, шу сонларни топинг.

A) 30 ва 35   B) 36 ва 41   C) 45 ва 50
D) 63 ва 68

1158. 2.6-2 file-» 22 - 4 - - (14336)
Икки соннинг йиғиндиси 24 га тенг. Агар шу
сонлардан бирининг 60% и иккинчисининг $\dfrac{3}{10}$
қисмига тенг бўлса, шу сонларни топинг.

A) 18 ва 6   B) 20 ва 4   C) 7 ва 17
D) 8 ва 16

1159. 2.6-2 file-» 22 - 11 - - (36177)
Велосипедчи бутун йўлнинг 0,6 қисмини
ўтгач, қолган йўл, у босиб ўтган йўлдан
8 км га камлиги маълум бўлди. Бутун
йўлнинг узунлигини (км) топинг.

A) 40   B) 24   C) 20   D) 36, 6

1160. 2.6-2 file-» 22 - 12 - - (36237)
Турист бутун йўлнинг 0,85 қисмини ўтганда,
кўзланган манзилгача 9,66 км қолгани маълум
бўлди. Бутун йўлнинг узунлиги неча км?

A) 52   B) 44   C) 36, 6   **D)** 64, 4

1161. 2.6-2 file-» 22 - 13 - - (36303)
a нинг қандай қийматларида $ax - 2a = 3$
тенглама бирдан кичик илдизга эга бўлади?

A) $(-2; \ 0)$ **B)** $(-3; \ 0)$ C) $(0; \ 1)$ D) $[1; \ 2]$

1162. 2.6-2 file-» 22 - 14 - - (36352)
k нинг қандай қийматларида $k(x + 1) = 4$
тенгламанинг илдизи мусбат бўлади?

A) $(0; \infty)$ **B)** $(0; 4)$ C) $(-4; 0)$ D) $(4; \infty)$

1163. 2.6-2 file-» 22 - 15 - - (36402)
b нинг қандай қийматларида $b(2 - x) = 8$
тенгламанинг илдизи манфий бўлади?

A) $(-\infty; \ 0)$ **B)** $(0; \ 4)$ C) $(-4; \ 0)$
D) $[4; \ \infty)$

1164. 2.6-2 file-» 22 - 1 - - (36738)
Велосипедчи бир соатда бутун йўлнинг 0,65
қисмини ўтди, бу эса йўлнинг ярмидан 9,75 км
кўп. Бутун йўлнинг узунлигини (км) топинг.

A) 47, 5   B) 62, 5   C) 50   **D)** 65

1165. 2.6-2 file-» 22 - 1 - - (36750)
a нинг қандай қийматларида $ax - 3 = a + 4x$
тенгламанинг ечими бўлмайди?

A) $a = 4$ B) $a = 2$ C) $a = -1$ D) $a = -2$

1166. 2.6-2 file-» 15 - 1 - - (56714)
$2,5(ax - 5,2) = 2a - 5x - 9$ тенглама a нинг
қандай қийматларида ягона ечимга эга?

A) $(-\infty; -\dfrac{1}{2}) \cup (-\dfrac{1}{2}; \infty)$ B) $-\dfrac{1}{2}$ C) $\dfrac{1}{5}$
D) $(-\infty; -2) \cup (-2; \infty)$

1167. 2.6-2 file-» 15 - 2 - - (56771)
$2,5(ax - 5,2) = 2a - 5x - 9$ тенглама a нинг қандай қийматларида чексиз кўп ечимга эга?

A) $-\dfrac{1}{2}$ B) 2 C) $\dfrac{1}{2}$ **D)** -2

1168. 2.6-2 file-» 22 - 17 - - (56964)
Бир сон иккинчи сондан 6 та ортиқ. Уларнинг ўрта арифметиги 23 га тенг. Шу сонлардан каттасини топинг.

A) 23 B) 27 C) 33 **D) 26**

1169. 2.6-2 file-» 22 - 17 - - (56972)
m нинг қандай қийматларида
$m(mx - 1) = 16x + 4$ тенглама чексиз кўп илдизга эга?

A) $m = 0$ B) $m = 3$ **C) $m = -4$**
D) $m = -1$

1170. 2.6-2 file-» 22 - 18 - - (57024)
Бир сон иккинчисидан 15 га кичик. Бу сонларнинг ўрта арифметиги 13,5 га тенг. Шу сонлардан кичигини топинг.

A) 3 **B) 6** C) 4 D) 7

1171. 2.6-2 file-» 22 - 18 - - (57032)
n нинг қандай қийматида $n^2(y - 1) = 4y - 2n$ тенгламанинг илдизи йўқ?

A) $n = -2$ B) $n = 1$ C) $n = -1$ D) $n = 2$

1172. 2.6-2 file-» 23 - 11 - - 9 (70976)
k нинг қандай қийматида $\begin{cases} 3x + 6y = k, \\ 9x + 18y = k + 1\dfrac{1}{3} \end{cases}$
тенгламалар системаси чексиз кўп ечимга эга?

A) $\dfrac{1}{3}$ B) 1 C) $\dfrac{1}{2}$ **D)** $\dfrac{2}{3}$

1173. 2.6-2 file-» 22 - 21 - - 4 (105935)
a нинг қандай қийматларида
$a(3x - a) = 12x - 16$ тенглама битта мусбат ечимга эга?

A) $(-4; 4)$ B) $(-4; \infty)$ **C) $(-4; 4) \cup (4; \infty)$**
D) $(4; \infty)$

1174. 2.6-2 file-» 5 - 13 - - 9 (115028)
$\begin{cases} ax + by = 6 \\ bx + ay = 4 \end{cases}$ тенгламалар системаси $x = 3$, $y = 2$ ечимга эга бўлса, a нинг қийматини топинг.

A) 4 B) 5 C) 3 **D) 2**

1175. 2.6-2 file-» 22 - 23 - - 6 (134306)
t нинг қандай қийматларида $3x + 2 = 2(x - t)$ тенглама мусбат илдизга эга?

A) $t > -2$ B) $t < 2$ C) $t \leq 1$ **D) $t < -1$**

1176. 2.6-2 file-» 19 - 6 - - 8 (136388)
a нинг қандай қийматларида $3x + 2y = 3$ ва $3x - 2ay = 5$ тўғри чизиқларнинг кесишиш нуқтаси мусбат ординатага эга?

A) $a < 2$ B) $a = 2$ C) $a > 2$ **D) $a < -1$**

1177. 2.6-2 file-» 22 - 3 - - (315250)
Ikki sonning ayirmasi 5 ga teng. Agar shu sonlardan kattasining 20% i kichigining $\dfrac{7}{30}$ qismiga teng bo'lsa, shu sonlarni toping.

A) 30 va 35 B) 36 va 41 C) 45 va 50
D) 63 va 68

1178. 2.6-2 file-» 22 - 4 - - (315251)
Ikki sonning yig'indisi 24 ga teng. Agar shu sonlardan birining 60% i ikkinchisining $\dfrac{3}{10}$ qismiga teng bo'lsa, shu sonlarni toping.

A) 18 va 6 B) 20 va 4 C) 7 va 17
D) 8 va 16

1179. 2.6-2 file-» 22 - 11 - - (315252)
Velosipedchi butun yo'lning 0,6 qismini o'tgach, qolgan yo'l, u bosib o'tgan yo'ldan 8 km ga kamligi ma'lum bo'ldi. Butun yo'lning uzunligini (km) toping.

A) 40 B) 24 C) 20 D) 36,6

1180. 2.6-2 file-» 22 - 12 - - (315253)
Turist butun yo'lning 0,85 qismini o'tganda, ko'zlangan manzilgacha 9,66 km qolgani ma'lum bo'ldi. Butun yo'lning uzunligi necha km?

A) 52 B) 44 C) 36,6 **D) 64,4**

1181. 2.6-2 file-» 22 - 13 - - (315254)
a ning qanday qiymatlarida $ax - 2a = 3$ tenglama birdan kichik ildizga ega bo'ladi?

A) $(-2; 0)$ **B) $(-3; 0)$** C) $(0; 1)$
D) $[1; 2]$

1182. 2.6-2 file-» 22 - 14 - - (315255)
k ning qanday qiymatlarida $k(x + 1) = 4$ tenglamaning ildizi musbat bo'ladi?

A) $(0; \infty)$ **B) $(0; 4)$** C) $(-4; 0)$
D) $(4; \infty)$

1183. 2.6-2 file-» 22 - 15 - - (315256)
b ning qanday qiymatlarida $b(2 - x) = 8$ tenglamaning ildizi manfiy bo'ladi?

A) $(-\infty; 0)$ **B) $(0; 4)$** C) $(-4; 0)$
D) $[4; \infty)$

1184. 2.6-2 file-» 22 - 1 - - (315257)
Velosipedchi bir soatda butun yo'lning 0,65 qismini o'tdi, bu esa yo'lning yarmidan 9,75 km ko'p. Butun yo'lning uzunligini (km) toping.

A) 47,5 B) 62,5 C) 50 **D) 65**

1185.   2.6-2 file-» 22 - 1 - -   (315258)
a ning qanday qiymatlarida $ax - 3 = a + 4x$ tenglamaning yechimi bo'lmaydi?

A) $a = 4$ B) $a = 2$ C) $a = -1$
D) $a = -2$

1186.   2.6-2 file-» 15 - 1 - -   (315259)
$2,5(ax - 5,2) = 2a - 5x - 9$ tenglama a ning qanday qiymatlarida yagona yechimga ega?

A) $(-\infty; -\frac{1}{2}) \cup (-\frac{1}{2}; \infty)$ B) $-\frac{1}{2}$ C) $\frac{1}{5}$
D) $(-\infty; -2) \cup (-2; \infty)$

1187.   2.6-2 file-» 15 - 2 - -   (315260)
$2,5(ax - 5,2) = 2a - 5x - 9$ tenglama a ning qanday qiymatlarida cheksiz ko'p yechimga ega?

A) $-\frac{1}{2}$ B) 2 C) $\frac{1}{2}$ **D)** -2

1188.   2.6-2 file-» 22 - 17 - -   (315261)
Bir son ikkinchi sondan 6 ta ortiq. Ularning o'rta arifmetigi 23 ga teng. Shu sonlardan kattasini toping.

A) 23 B) 27 C) 33 **D)** 26

1189.   2.6-2 file-» 22 - 17 - -   (315262)
m ning qanday qiymatlarida
$m(mx - 1) = 16x + 4$ tenglama cheksiz ko'p ildizga ega?

A) $m = 0$ B) $m = 3$ **C)** $m = -4$
D) $m = -1$

1190.   2.6-2 file-» 22 - 18 - -   (315263)
Bir son ikkinchisidan 15 ga kichik. Bu sonlarning o'rta arifmetigi 13,5 ga teng. Shu sonlardan kichigini toping.

A) 3 **B)** 6 C) 4 D) 7

1191.   2.6-2 file-» 22 - 18 - -   (315264)
n ning qanday qiymatida $n^2(y - 1) = 4y - 2n$ tenglamaning ildizi yo'q?

A) $n = -2$ B) $n = 1$ C) $n = -1$
D) $n = 2$

1192.   2.6-2 file-» 23 - 11 - - 9   (315265)
k ning qanday qiymatida $\begin{cases} 3x + 6y = k, \\ 9x + 18y = k + 1\frac{1}{3} \end{cases}$
tenglamalar sistemasi cheksiz ko'p yechimga ega?

A) $\frac{1}{3}$ B) 1 C) $\frac{1}{2}$ **D)** $\frac{2}{3}$

1193.   2.6-2 file-» 22 - 21 - - 4   (315266)
a ning qanday qiymatlarida $a(3x - a) = 12x - 16$ tenglama bitta musbat yechimga ega?

A) $(-4; 4)$ B) $(-4; \infty)$ **C)** $(-4; 4) \cup (4; \infty)$
D) $(4; \infty)$

1194.   2.6-2 file-» 5 - 13 - - 9   (315267)
$\begin{cases} ax + by = 6 \\ bx + ay = 4 \end{cases}$ tenglamalar sistemasi $x = 3, y = 2$
yechimga ega bo'lsa, a ning qiymatini toping.

A) 4 B) 5 C) 3 **D)** 2

1195.   2.6-2 file-» 22 - 23 - - 6   (315268)
t ning qanday qiymatlarida $3x + 2 = 2(x - t)$ tenglama musbat ildizga ega?

A) $t > -2$ B) $t < 2$ C) $t \leq 1$ **D)** $t < -1$

1196.   2.6-2 file-» 19 - 6 - - 8   (315269)
a ning qanday qiymatlarida $3x + 2y = 3$ va $3x - 2ay = 5$ to'g'ri chiziqlarning kesishish nuqtasi musbat ordinataga ega?

A) $a < 2$ B) $a = 2$ C) $a > 2$ **D)** $a < -1$

1197.   2.6-2 file-» 50 - 111 - -   (401741)
p ning qanday qiymatlarida $3x - 5p = 3$ tenglama musbat ildizga ega?

A) $\frac{-3}{5} < p$ B) $\frac{3}{5} < p$ C) $p < \frac{-3}{5}$
D) $p < \frac{3}{5}$

1198.   2.6-2 file-» 50 - 111 - -   (401742)
p ning qanday qiymatlarida $5x - 4p = 3$ tenglama musbat ildizga ega?

A) $\frac{-3}{4} < p$ B) $\frac{3}{4} < p$ C) $p < \frac{-3}{4}$
D) $p < \frac{3}{4}$

1199.   2.6-2 file-» 50 - 111 - -   (401743)
p ning qanday qiymatlarida $4x - 7p = 4$ tenglama musbat ildizga ega?

A) $\frac{-4}{7} < p$ B) $\frac{4}{7} < p$ C) $p < \frac{-4}{7}$
D) $p < \frac{4}{7}$

1200.   2.6-2 file-» 50 - 111 - -   (401744)
p ning qanday qiymatlarida $6x - 8p = 7$ tenglama musbat ildizga ega?

A) $\frac{-7}{8} < p$ B) $\frac{7}{8} < p$ C) $p < \frac{-7}{8}$
D) $p < \frac{7}{8}$

1201.   2.6-2 file-» 50 - 111 - -   (401745)
p ning qanday qiymatlarida $7x - 6p = 5$ tenglama musbat ildizga ega?

A) $\frac{-5}{6} < p$ B) $\frac{5}{6} < p$ C) $p < \frac{-5}{6}$
D) $p < \frac{5}{6}$

1202.　　2.6-2 file-» 50 - 111 - -　　(401746)
p ning qanday qiymatlarida $3x + 5p = 3$
tenglama musbat ildizga ega?

A) $\dfrac{3}{5} < p$　B) $\dfrac{-3}{5} < p$　**C)** $p < \dfrac{3}{5}$

D) $p < \dfrac{-3}{5}$

1203.　　2.6-2 file-» 50 - 111 - -　　(401747)
p ning qanday qiymatlarida $5x + 4p = 3$
tenglama musbat ildizga ega?

A) $\dfrac{3}{4} < p$　B) $\dfrac{-3}{4} < p$　**C)** $p < \dfrac{3}{4}$

D) $p < \dfrac{-3}{4}$

1204.　　2.6-2 file-» 50 - 111 - -　　(401748)
p ning qanday qiymatlarida $4x + 7p = 4$
tenglama musbat ildizga ega?

A) $\dfrac{4}{7} < p$　B) $\dfrac{-4}{7} < p$　**C)** $p < \dfrac{4}{7}$

D) $p < \dfrac{-4}{7}$

1205.　　2.6-2 file-» 50 - 111 - -　　(401749)
p ning qanday qiymatlarida $6x + 8p = 7$
tenglama musbat ildizga ega?

A) $\dfrac{7}{8} < p$　B) $\dfrac{-7}{8} < p$　**C)** $p < \dfrac{7}{8}$

D) $p < \dfrac{-7}{8}$

1206.　　2.6-2 file-» 50 - 111 - -　　(401750)
p ning qanday qiymatlarida $7x + 6p = 5$
tenglama musbat ildizga ega?

A) $\dfrac{5}{6} < p$　B) $\dfrac{-5}{6} < p$　**C)** $p < \dfrac{5}{6}$

D) $p < \dfrac{-5}{6}$

1207.　　2.6-2 file-» 50 - 111 - -　　(401751)
p ning qanday qiymatlarida $3x - 7p = 3$
tenglama manfiy ildizga ega?

A) $p < \dfrac{-3}{7}$　B) $p < \dfrac{3}{7}$　C) $\dfrac{-3}{7} < p$

D) $\dfrac{3}{7} < p$

1208.　　2.6-2 file-» 50 - 111 - -　　(401752)
p ning qanday qiymatlarida $5x - 9p = 4$
tenglama manfiy ildizga ega?

A) $p < \dfrac{-4}{9}$　B) $p < \dfrac{4}{9}$　C) $\dfrac{-4}{9} < p$

D) $\dfrac{4}{9} < p$

1209.　　2.6-2 file-» 50 - 111 - -　　(401753)
p ning qanday qiymatlarida $4x - 7p = 5$
tenglama manfiy ildizga ega?

A) $p < \dfrac{-5}{7}$　B) $p < \dfrac{5}{7}$　C) $\dfrac{-5}{7} < p$

D) $\dfrac{5}{7} < p$

1210.　　2.6-2 file-» 50 - 111 - -　　(401754)
p ning qanday qiymatlarida $6x - 11p = 7$
tenglama manfiy ildizga ega?

A) $p < \dfrac{-7}{11}$　B) $p < \dfrac{7}{11}$　C) $\dfrac{-7}{11} < p$

D) $\dfrac{7}{11} < p$

1211.　　2.6-2 file-» 50 - 111 - -　　(401755)
p ning qanday qiymatlarida $7x - 12p = 7$
tenglama manfiy ildizga ega?

A) $p < \dfrac{-7}{12}$　B) $p < \dfrac{7}{12}$　C) $\dfrac{-7}{12} < p$

D) $\dfrac{7}{12} < p$

1212.　　2.6-2 file-» 50 - 111 - -　　(401756)
p ning qanday qiymatlarida $3x + 7p = 3$
tenglama manfiy ildizga ega?

A) $p < \dfrac{3}{7}$　B) $p < \dfrac{-3}{7}$　**C)** $\dfrac{3}{7} < p$

D) $\dfrac{-3}{7} < p$

1213.　　2.6-2 file-» 50 - 111 - -　　(401757)
p ning qanday qiymatlarida $5x + 9p = 4$
tenglama manfiy ildizga ega?

A) $p < \dfrac{4}{9}$　B) $p < \dfrac{-4}{9}$　**C)** $\dfrac{4}{9} < p$

D) $\dfrac{-4}{9} < p$

1214.　　2.6-2 file-» 50 - 111 - -　　(401758)
p ning qanday qiymatlarida $4x + 7p = 5$
tenglama manfiy ildizga ega?

A) $p < \dfrac{5}{7}$　B) $p < \dfrac{-5}{7}$　**C)** $\dfrac{5}{7} < p$

D) $\dfrac{-5}{7} < p$

1215.　　2.6-2 file-» 50 - 111 - -　　(401760)
p ning qanday qiymatlarida $7x + 12p = 7$
tenglama manfiy ildizga ega?

A) $p < \dfrac{7}{12}$　B) $p < \dfrac{-7}{12}$　**C)** $\dfrac{7}{12} < p$

D) $\dfrac{-7}{12} < p$

1216.　　2.6-2 file-» 50 - 111 - -　　(401761)
p ning qanday qiymatlarida $5x - 3p = 4$
tenglamaning ildizi 12 dan katta bo'ladi?

A) $\dfrac{56}{3} < p$　　B) $\dfrac{64}{3} < p$　　C) $p < \dfrac{56}{3}$

D) $p < \dfrac{64}{3}$

1217.　　2.6-2 file-» 50 - 111 - -　　(401762)
p ning qanday qiymatlarida $3x - 4p = 5$
tenglamaning ildizi 7 dan katta bo'ladi?

A) $4 < p$　　B) $\dfrac{13}{2} < p$　　C) $p < 4$

D) $p < \dfrac{13}{2}$

1218.　　2.6-2 file-» 50 - 111 - -　　(401763)
p ning qanday qiymatlarida $7x - 2p = 6$
tenglamaning ildizi 4 dan katta bo'ladi?

A) $11 < p$　　B) $17 < p$　　C) $p < 11$
D) $p < 17$

1219.　　2.6-2 file-» 50 - 111 - -　　(401764)
p ning qanday qiymatlarida $5x - 3p = 6$
tenglamaning ildizi 8 dan katta bo'ladi?

A) $\dfrac{34}{3} < p$　　B) $\dfrac{46}{3} < p$　　C) $p < \dfrac{34}{3}$

D) $p < \dfrac{46}{3}$

1220.　　2.6-2 file-» 50 - 111 - -　　(401765)
p ning qanday qiymatlarida $5x - 4p = 4$
tenglamaning ildizi 12 dan katta bo'ladi?

A) $14 < p$　　B) $16 < p$　　C) $p < 14$
D) $p < 16$

1221.　　2.6-2 file-» 50 - 111 - -　　(401766)
p ning qanday qiymatlarida $5x - 3p = 4$
tenglamaning ildizi-12 dan katta bo'ladi?

A) $\dfrac{-64}{3} < p$　　B) $\dfrac{-56}{3} < p$　　C) $p < \dfrac{-64}{3}$

D) $p < \dfrac{-56}{3}$

1222.　　2.6-2 file-» 50 - 111 - -　　(401767)
p ning qanday qiymatlarida $3x - 4p = 5$
tenglamaning ildizi -7 dan katta bo'ladi?

A) $\dfrac{-13}{2} < p$　　B) $-4 < p$　　C) $p < \dfrac{-13}{2}$

D) $p < -4$

1223.　　2.6-2 file-» 50 - 111 - -　　(401768)
p ning qanday qiymatlarida $7x - 2p = 6$
tenglamaning ildizi 4 dan katta bo'ladi?

A) $11 < p$　　B) $17 < p$　　C) $p < 11$
D) $p < 17$

1224.　　2.6-2 file-» 50 - 111 - -　　(401769)
p ning qanday qiymatlarida $5x - 3p = 6$
tenglamaning ildizi -8 dan katta bo'ladi?

A) $\dfrac{-46}{3} < p$　　B) $\dfrac{-34}{3} < p$　　C) $p < \dfrac{-46}{3}$

D) $p < \dfrac{-34}{3}$

1225.　　2.6-2 file-» 50 - 111 - -　　(401770)
p ning qanday qiymatlarida $5x - 4p = 4$
tenglamaning ildizi -12 dan katta bo'ladi?

A) $-16 < p$　　B) $-14 < p$　　C) $p < -16$
D) $p < -14$

1226.　　2.6-2 file-» 6 - 7 - -　　(401771)
k ning qanday qiymatlarida
$\begin{cases} 2x + y + k = 0, \\ (k^2 - k + 3)x + 2,5y + 5 = 0 \end{cases}$ sistemaning
birorta ham yechimi bo'lmaydi?

A) 2 va -1　　B) -5 va 6　　**C)** -1　　D) 6

1227.　　2.6-2 file-» 6 - 8 - -　　(401772)
k ning qanday qiymatlarida
$\begin{cases} x + y + k = 0 \\ (k^2 + k + 1)x + 3y + 3 = 0 \end{cases}$ sistema birorta
ham yechimga ega bo'lmaydi?

A) 2　　B) 1 va -2　　C) -3 va 2　　**D)** -2

1228.　　2.6-2 file-» 16 - 1 - -　　(401773)
x, y - raqamlar; $\overline{xy}$ va $\overline{8y}$ esa ikki xonali sonlar.
Agar $\overline{xy} \cdot 6 = \overline{8y}$ bo'lsa, $x + 1, 25y$ ning qiymati
qanchaga teng bo'ladi?

A) 9　　B) 12　　**C)** 6　　D) 8

1229.　　2.6-2 file-» 19 - 1 - - 3　　(401774)
a ning qanday qiymatlarida $2ax + 3y = 3$ va
$12x + 3y = 7$ to'g'ri chiziqlar kesishish
nuqtasining abssissasi manfiy bo'ladi?

A) $a < 3$　　B) $a > 3$　　C) $a < 2$　　**D)** $a > 6$

1230.　　2.6-2 file-» 23 - 11 - - 9　　(401775)
$(x^2 - 25)(x - 3)(x + 6)\sqrt{1 + x} = 0$ tenglama
ildizlarining o'rta arifmetigini toping.

A) $4\dfrac{1}{3}$　　B) $1\dfrac{1}{3}$　　**C)** $2\dfrac{1}{3}$　　D) $4\dfrac{1}{2}$

1231.　　2.6-2 file-» 23 - 13 - - 10　　(401776)
$(k - 2)^2 y = k^2 - 36$ tenglamaning ildizlari manfiy
bo'ladigan k ning barcha butun musbat
qiymatlari yig'indisini toping.

A) 10　　**B)** 13　　C) 11　　D) 8

1232.　　2.6-2 file-» 19 - 2 - - 3　　(401777)
k ning qanday qiymatida $k + 7(x + 1) = k(k + 6)x$
tenglama yechimga ega bo'lmaydi?

A) 1 *va* 7　　**B)** 1　　C) -7　　D) 1 va -7

1233.   2.6-2 file-» 19 - 2 - - 3   (401778)

k ning qanday qiymatlarida $k - 2 + \dfrac{4x - 5}{x - 1} = 0$ tenglama manfiy yechimga ega bo'ladi?

A) $(-1; 2)$ **B)** $(-3; -2)$ C) $(1; \infty)$
D) $(-2; 1)$

1234.   2.6-2 file-» 19 - 4 - - 3   (401779)

m ning qanday qiymatlarida $\begin{cases} 2x - y = 3m - 4 \\ x - y = m - 1 \end{cases}$ tenglamalar sistemasining yechimi koordinat tekisligining IV choragiga tegishli bo'ladi?

A) $\left(\dfrac{5}{3}; 2\right)$ **B)** $\left(\dfrac{3}{2}; 2\right)$ C) $(2; \infty)$
D) $\left(-\infty; \dfrac{5}{3}\right)$

1235.   2.6-2 file-» 16 - 7 - - 6   (401780)

90 so'mlik va 105 so'mlik daftarlardan jami 1380 so'mlik xarid qilindi. Quyida keltirilgan sonlardan qaysi biri 90 so'mlik daftarlar soniga teng bo'lishi mumkin?

A) 5   **B)** 6   C) 7   D) 8

1236.   2.6-2 file-» 16 - 7 - - 6   (401781)

Qizil qalam 55 so'm, ko'k qalam esa 65 so'm turadi. O'quvchi 830 so'mga ko'k va qizil qalamlar sotib oldi. Quyida keltirilganlardan qaysi biri xarid qilingan ko'k qalamlarning soniga teng bo'la olishi mumkin?

A) 5   **B)** 6   C) 7   D) 8

1237.   2.6-2 file-» 22 - 22 - - 9   (401782)

m ning qanday qiymatlarida $\dfrac{6}{x + 1} + m - 4 = 0$ tenglamaning ildizlari musbat bo'ladi?

A) $(4; 6)$ B) $(2; 4)$ **C)** $(-2; 4)$
D) $(-\infty; 2) \cup (4; \infty)$

1238.   2.6-2 file-» 19 - 6 - - 8   (401783)

a ning qanday qiymatlarida $4 + ax = 3(x + 1)$ tenglamaning ildizi -4 dan katta bo'ladi?

A) $(0; \infty)$ B) $(-\infty; 3) \cup (3,5; \infty)$
C) $(-\infty; 0)$ **D)** $(-\infty; 3) \cup (3,25; \infty)$

1239.   2.6-2 file-» 19 - 7 - - 12   (401784)

k ning qanday qiymatlarida $k - 2 = \dfrac{3x + 1}{x + 1}$ tenglama manfiy ildizga ega?

A) $(3; 5)$ **B)** $(-\infty; 3) \cup (5; \infty)$
C) $(-\infty; 1) \cup (3; \infty)$ D) $(1; 3)$

1240.   2.6-2 file-» 32 - 1 - -   (401785)

$\dfrac{3b - 2}{x - 1,5} = 2b$ tenglama b ning qanday qiymatlarida manfiy yechimga ega bo'ladi?

A) $\left(-\dfrac{1}{3}; 3\right)$ B) $\left(-\dfrac{1}{3}; 0\right)$
C) $\left(-\infty; -\dfrac{2}{3}\right) \cup \left(-\dfrac{2}{3}; -\dfrac{1}{3}\right)$ **D)** $\left(0; \dfrac{1}{3}\right)$

1241.   2.6-2 file-» 50 - 146 - -   (704234)

114 betlik kitobni Ahmad uch kunda o'qib tugatdi. U birinchi kuni ikkinchi kunga qaraganda $1,1$ marta kam, ikkinchi kuni esa uchinchi kunga qaraganda 18 bet kam kitob o'qidi. Ikkinchi kuni Ahmad necha bet kitob o'qigan?

A) 33   B) 30   C) 51   D) 48

1242.   2.6-2 file-» 50 - 146 - -   (704235)

190 betlik kitobni Ahmad uch kunda o'qib tugatdi. U birinchi kuni ikkinchi kunga qaraganda $1,2$ marta kam, ikkinchi kuni esa uchinchi kunga qaraganda 20 bet kam kitob o'qidi. Ikkinchi kuni Ahmad necha bet kitob o'qigan?

A) 70   **B)** 60   C) 50   D) 80

1243.   2.6-2 file-» 50 - 146 - -   (704236)

130 betlik kitobni Ahmad uch kunda o'qib tugatdi. U birinchi kuni ikkinchi kunga qaraganda $1,3$ marta kam, ikkinchi kuni esa uchinchi kunga qaraganda 22 bet kam kitob o'qidi. Ikkinchi kuni Ahmad necha bet kitob o'qigan?

A) 61   B) 52   **C)** 39   D) 30

1244.   2.6-2 file-» 50 - 146 - -   (704237)

214 betlik kitobni Ahmad uch kunda o'qib tugatdi. U birinchi kuni ikkinchi kunga qaraganda $1,4$ marta kam, ikkinchi kuni esa uchinchi kunga qaraganda 24 bet kam kitob o'qidi. Ikkinchi kuni Ahmad necha bet kitob o'qigan?

A) 50   B) 94   C) 74   **D)** 70

1245.   2.6-2 file-» 50 - 146 - -   (704238)

146 betlik kitobni Ahmad uch kunda o'qib tugatdi. U birinchi kuni ikkinchi kunga qaraganda $1,5$ marta kam, ikkinchi kuni esa uchinchi kunga qaraganda 26 bet kam kitob o'qidi. Ikkinchi kuni Ahmad necha bet kitob o'qigan?

A) 45   B) 30   C) 71   D) 56

1246.   2.6-2 file-» 50 - 146 - -   (704239)
238 betlik kitobni Ahmad uch kunda oʻqib tugatdi. U birinchi kuni ikkinchi kunga qaraganda 1, 6 marta kam, ikkinchi kuni esa uchinchi kunga qaraganda 28 bet kam kitob oʻqidi. Ikkinchi kuni Ahmad necha bet kitob oʻqigan?

A) 78   **B)** 80   C) 50   D) 108

1247.   2.6-2 file-» 50 - 146 - -   (704240)
Ketma-ket kelgan uchta natural sondan kattasining kvadrati qolgan ikkitasining koʻpaytmasidan 61 taga katta. Berilgan sonlardan kattasini toping.

A) 21   B) 19   C) 23   D) 22

1248.   2.6-2 file-» 50 - 146 - -   (704241)
Ketma-ket kelgan uchta natural sondan kattasining kvadrati qolgan ikkitasining koʻpaytmasidan 64 taga katta. Berilgan sonlardan kattasini toping.

A) 23   **B)** 22   C) 20   D) 24

1249.   2.6-2 file-» 50 - 146 - -   (704242)
Ketma-ket kelgan uchta natural sondan kattasining kvadrati qolgan ikkitasining koʻpaytmasidan 67 taga katta. Berilgan sonlardan kattasini toping.

A) 25   B) 24   **C)** 23   D) 21

1250.   2.6-2 file-» 50 - 146 - -   (704243)
Ketma-ket kelgan uchta natural sondan kattasining kvadrati qolgan ikkitasining koʻpaytmasidan 70 taga katta. Berilgan sonlardan kattasini toping.

A) 22   B) 26   C) 25   **D)** 24

1251.   2.6-2 file-» 50 - 146 - -   (704244)
Ketma-ket kelgan uchta natural sondan kattasining kvadrati qolgan ikkitasining koʻpaytmasidan 73 taga katta. Berilgan sonlardan kattasini toping.

A) 25   B) 23   C) 27   D) 26

1252.   2.6-2 file-» 50 - 146 - -   (704245)
Ketma-ket kelgan uchta natural sondan kattasining kvadrati qolgan ikkitasining koʻpaytmasidan 76 taga katta. Berilgan sonlardan kattasini toping.

A) 27   **B)** 26   C) 24   D) 28

1253.   2.6-2 file-» 50 - 146 - -   (704246)
Ketma-ket kelgan uchta natural sondan kichigining kvadrati qolgan ikkitasining koʻpaytmasidan 65 taga kam. Berilgan sonlardan kichigini toping.

A) 21   B) 23   C) 19   D) 20

1254.   2.6-2 file-» 50 - 146 - -   (704247)
Ketma-ket kelgan uchta natural sondan kichigining kvadrati qolgan ikkitasining koʻpaytmasidan 68 taga kam. Berilgan sonlardan kichigini toping.

A) 21   **B)** 22   C) 24   D) 20

1255.   2.6-2 file-» 50 - 146 - -   (704248)
Ketma-ket kelgan uchta natural sondan kichigining kvadrati qolgan ikkitasining koʻpaytmasidan 71 taga kam. Berilgan sonlardan kichigini toping.

A) 21   B) 22   **C)** 23   D) 25

1256.   2.6-2 file-» 50 - 146 - -   (704249)
Ketma-ket kelgan uchta natural sondan kichigining kvadrati qolgan ikkitasining koʻpaytmasidan 74 taga kam. Berilgan sonlardan kichigini toping.

A) 26   B) 22   C) 23   **D)** 24

1257.   2.6-2 file-» 50 - 146 - -   (704250)
Ketma-ket kelgan uchta natural sondan kichigining kvadrati qolgan ikkitasining koʻpaytmasidan 77 taga kam. Berilgan sonlardan kichigini toping.

A) 25   B) 27   C) 23   D) 24

1258.   2.6-2 file-» 50 - 146 - -   (704251)
Ketma-ket kelgan uchta natural sondan kichigining kvadrati qolgan ikkitasining koʻpaytmasidan 80 taga kam. Berilgan sonlardan kichigini toping.

A) 25   **B)** 26   C) 28   D) 24

1259.   2.6-2 file-» 50 - 146 - -   (704252)
Ikkita sonning ayirmasi 24 ga teng. Ulardan biri boshqasidan 3 marta katta. Shu sonlardan kattasini toping.

A) 36   B) 39   C) 42   D) 33

1260.   2.6-2 file-» 50 - 146 - -   (704253)
Ikkita sonning ayirmasi 39 ga teng. Ulardan biri boshqasidan 4 marta katta. Shu sonlardan kattasini toping.

A) 48   **B)** 52   C) 56   D) 60

1261.   2.6-2 file-» 50 - 146 - -   (704254)
Ikkita sonning ayirmasi 56 ga teng. Ulardan biri boshqasidan 5 marta katta. Shu sonlardan kattasini toping.

A) 80   B) 65   **C)** 70   D) 75

1262.   2.6-2 file-» 50 - 146 - -   (704255)
Ikkita sonning ayirmasi 30 ga teng. Ulardan biri boshqasidan 3 marta katta. Shu sonlardan kattasini toping.

A) 48   B) 51   C) 42   **D)** 45

1263. 2.6-2 file-» 50 - 146 - - (704256)
Ikkita sonning ayirmasi 48 ga teng. Ulardan biri boshqasidan 4 marta katta. Shu sonlardan kattasini toping.

A) 64   B) 68   C) 72   D) 60

1264. 2.6-2 file-» 50 - 146 - - (704257)
Ikkita sonning ayirmasi 68 ga teng. Ulardan biri boshqasidan 5 marta katta. Shu sonlardan kattasini toping.

A) 80   **B)** 85   C) 90   D) 95

1265. 2.6-2 file-» 50 - 146 - - (704258)
Ikkita sonning ayirmasi 24 ga teng. Ulardan biri boshqasidan 3 marta kichik. Shu sonlardan kichigini toping.

A) 12   B) 11   C) 13   D) 10

1266. 2.6-2 file-» 50 - 146 - - (704259)
Ikkita sonning ayirmasi 39 ga teng. Ulardan biri boshqasidan 4 marta kichik. Shu sonlardan kichigini toping.

A) 11   **B)** 13   C) 12   D) 14

1267. 2.6-2 file-» 50 - 146 - - (704260)
Ikkita sonning ayirmasi 56 ga teng. Ulardan biri boshqasidan 5 marta kichik. Shu sonlardan kichigini toping.

A) 15   B) 12   **C)** 14   D) 13

1268. 2.6-2 file-» 50 - 146 - - (704261)
Ikkita sonning ayirmasi 30 ga teng. Ulardan biri boshqasidan 3 marta kichik. Shu sonlardan kichigini toping.

A) 14   B) 16   C) 13   **D)** 15

1269. 2.6-2 file-» 50 - 146 - - (704262)
Ikkita sonning ayirmasi 48 ga teng. Ulardan biri boshqasidan 4 marta kichik. Shu sonlardan kichigini toping.

A) 16   B) 15   C) 17   D) 14

1270. 2.6-2 file-» 50 - 146 - - (704263)
Ikkita sonning ayirmasi 68 ga teng. Ulardan biri boshqasidan 5 marta kichik. Shu sonlardan kichigini toping.

A) 15   **B)** 17   C) 16   D) 18

1271. 2.7-1 file-» 51 - 2 - - (719250)
Agar x_1 va x_2 $x^2 + 7x - 11 = 0$ tenglamaning ildizlari bo'lsa, $\frac{1}{x_1} + \frac{1}{x_2}$ ning qiymatini toping.

A) $\frac{7}{11}$ B) $-\frac{11}{7}$ C) $-\frac{7}{11}$ D) $\frac{11}{7}$

1272. 2.7-1 file-» 50 - 139 - - (719251)
x_1 va x_2 $x^2 + px + 27 = 0$ tenglamaning ildizlari. $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.

A) $-27p$ B) $27p$ **C)** $-\frac{p}{27}$ D) $\frac{p}{27}$

1273. 2.7-1 file-» 50 - 139 - - (719252)
x_1 va x_2 $x^2 + px + 28 = 0$ tenglamaning ildizlari. $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.

A) $\frac{p}{28}$ B) $-28p$ C) $28p$ **D)** $-\frac{p}{28}$

1274. 2.7-1 file-» 50 - 139 - - (719253)
x_1 va x_2 $x^2 + px + 40 = 0$ tenglamaning ildizlari. $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.

A) $-\frac{p}{40}$ B) $\frac{p}{40}$ C) $-40p$ D) $40p$

1275. 2.7-1 file-» 50 - 139 - - (719254)
x_1 va x_2 $x^2 + px + 12 = 0$ tenglamaning ildizlari. $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.

A) $12p$ **B)** $-\frac{p}{12}$ C) $\frac{p}{12}$ D) $-12p$

1276. 2.7-1 file-» 50 - 139 - - (719255)
x_1 va x_2 $x^2 + px + 21 = 0$ tenglamaning ildizlari. $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.

A) $-21p$ B) $21p$ **C)** $-\frac{p}{21}$ D) $\frac{p}{21}$

1277. 2.7-1 file-» 50 - 139 - - (719256)
x_1 va x_2 $x^2 + px - 27 = 0$ tenglamaning ildizlari. $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.

A) $-\frac{p}{27}$ B) $27p$ C) $-27p$ **D)** $\frac{p}{27}$

1278. 2.7-1 file-» 50 - 139 - - (719257)
x_1 va x_2 $x^2 + px - 28 = 0$ tenglamaning ildizlari. $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.

A) $\frac{p}{28}$ B) $-\frac{p}{28}$ C) $28p$ D) $-28p$

1279. 2.7-1 file-» 50 - 139 - - (719258)
x_1 va x_2 $x^2 + px - 40 = 0$ tenglamaning ildizlari. $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.

A) $-40p$ **B)** $\frac{p}{40}$ C) $-\frac{p}{40}$ D) $40p$

1280.　　2.7-1 file-» 50 - 139 - -　　(719259)
x_1 va x_2 $x^2 + px - 12 = 0$ tenglamaning ildizlari.
$\dfrac{1}{x_1} + \dfrac{1}{x_2}$ ni p orqali ifodalang.

A) $12p$　　B) $-12p$　　**C)** $\dfrac{p}{12}$　　D) $-\dfrac{p}{12}$

1281.　　2.7-1 file-» 50 - 139 - -　　(719260)
x_1 va x_2 $x^2 + px - 21 = 0$ tenglamaning ildizlari.
$\dfrac{1}{x_1} + \dfrac{1}{x_2}$ ni p orqali ifodalang.

A) $-\dfrac{p}{21}$　　B) $21p$　　C) $-21p$　　**D)** $\dfrac{p}{21}$

1282.　　2.7-1 file-» 50 - 139 - -　　(719261)
x_1 va x_2 $x^2 + px - 27 = 0$ tenglamaning ildizlari.
$\dfrac{1}{x_1} + \dfrac{1}{x_2}$ ni p orqali ifodalang.

A) $\dfrac{p}{27}$　　B) $-\dfrac{p}{27}$　　C) $27p$　　D) $-27p$

1283.　　2.7-1 file-» 50 - 139 - -　　(719262)
x_1 va x_2 $x^2 + px - 28 = 0$ tenglamaning ildizlari.
$\dfrac{1}{x_1} + \dfrac{1}{x_2}$ ni p orqali ifodalang.

A) $-28p$　　**B)** $\dfrac{p}{28}$　　C) $-\dfrac{p}{28}$　　D) $28p$

1284.　　2.7-1 file-» 50 - 139 - -　　(719263)
x_1 va x_2 $x^2 + px - 40 = 0$ tenglamaning ildizlari.
$\dfrac{1}{x_1} + \dfrac{1}{x_2}$ ni p orqali ifodalang.

A) $40p$　　B) $-40p$　　**C)** $\dfrac{p}{40}$　　D) $-\dfrac{p}{40}$

1285.　　2.7-1 file-» 50 - 139 - -　　(719264)
x_1 va x_2 $x^2 + px - 12 = 0$ tenglamaning ildizlari.
$\dfrac{1}{x_1} + \dfrac{1}{x_2}$ ni p orqali ifodalang.

A) $-\dfrac{p}{12}$　　B) $12p$　　C) $-12p$　　**D)** $\dfrac{p}{12}$

1286.　　2.7-1 file-» 50 - 139 - -　　(719265)
x_1 va x_2 $x^2 + px - 21 = 0$ tenglamaning ildizlari.
$\dfrac{1}{x_1} + \dfrac{1}{x_2}$ ni p orqali ifodalang.

A) $\dfrac{p}{21}$　　B) $-\dfrac{p}{21}$　　C) $21p$　　D) $-21p$

1287.　　2.7-1 file-» 50 - 139 - -　　(719266)
x_1 va x_2 $x^2 + px + 27 = 0$ tenglamaning ildizlari.
$x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 - 27$　　B) $p^2 + 27$　　**C)** $p^2 - 54$
D) $p^2 + 54$

1288.　　2.7-1 file-» 50 - 139 - -　　(719267)
x_1 va x_2 $x^2 + px + 28 = 0$ tenglamaning ildizlari.
$x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 + 56$　　B) $p^2 - 28$　　C) $p^2 + 28$
D) $p^2 - 56$

1289.　　2.7-1 file-» 50 - 139 - -　　(719268)
x_1 va x_2 $x^2 + px + 40 = 0$ tenglamaning ildizlari.
$x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 - 80$　　B) $p^2 + 80$　　C) $p^2 - 40$
D) $p^2 + 40$

1290.　　2.7-1 file-» 50 - 139 - -　　(719269)
x_1 va x_2 $x^2 + px + 12 = 0$ tenglamaning ildizlari.
$x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 + 12$　　**B)** $p^2 - 24$　　C) $p^2 + 24$
D) $p^2 - 12$

1291.　　2.7-1 file-» 50 - 139 - -　　(719270)
x_1 va x_2 $x^2 + px + 21 = 0$ tenglamaning ildizlari.
$x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 - 21$　　B) $p^2 + 21$　　**C)** $p^2 - 42$
D) $p^2 + 42$

1292.　　2.7-1 file-» 50 - 139 - -　　(719271)
x_1 va x_2 $x^2 + px - 27 = 0$ tenglamaning ildizlari.
$x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 - 54$　　B) $p^2 + 27$　　C) $p^2 - 27$
D) $p^2 + 54$

1293.　　2.7-1 file-» 50 - 139 - -　　(719272)
x_1 va x_2 $x^2 + px - 28 = 0$ tenglamaning ildizlari.
$x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 + 56$　　B) $p^2 - 56$　　C) $p^2 + 28$
D) $p^2 - 28$

1294.　　2.7-1 file-» 50 - 139 - -　　(719273)
x_1 va x_2 $x^2 + px - 40 = 0$ tenglamaning ildizlari.
$x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 - 40$　　**B)** $p^2 + 80$　　C) $p^2 - 80$
D) $p^2 + 40$

1295.　　2.7-1 file-» 50 - 139 - -　　(719274)
x_1 va x_2 $x^2 + px - 12 = 0$ tenglamaning ildizlari.
$x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 + 12$　　B) $p^2 - 12$　　**C)** $p^2 + 24$
D) $p^2 - 24$

1296.　　2.7-1 file-» 50 - 139 - -　　(719275)
x_1 va x_2 $x^2 + px - 21 = 0$ tenglamaning ildizlari.
$x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 - 42$　　B) $p^2 + 21$　　C) $p^2 - 21$
D) $p^2 + 42$

1297.　　2.7-1 file-» 50 - 139 - -　　(719276)
x_1 va x_2 $x^2 + px - 27 = 0$ tenglamaning ildizlari.
$x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 + 54$　　B) $p^2 - 54$　　C) $p^2 + 27$
D) $p^2 - 27$

1298. 2.7-1 file-» 50 - 139 - - (719277)
x_1 ва x_2 $x^2 + px - 28 = 0$ tenglamaning ildizlari. $x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 - 28$ **B) $p^2 + 56$** C) $p^2 - 56$
D) $p^2 + 28$

1299. 2.7-1 file-» 50 - 139 - - (719278)
x_1 ва x_2 $x^2 + px - 40 = 0$ tenglamaning ildizlari. $x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 + 40$ B) $p^2 - 40$ **C) $p^2 + 80$**
D) $p^2 - 80$

1300. 2.7-1 file-» 50 - 139 - - (719279)
x_1 ва x_2 $x^2 + px - 12 = 0$ tenglamaning ildizlari. $x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 - 24$ B) $p^2 + 12$ C) $p^2 - 12$
D) $p^2 + 24$

1301. 2.7-1 file-» 50 - 139 - - (719280)
x_1 ва x_2 $x^2 + px - 21 = 0$ tenglamaning ildizlari. $x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 + 42$ B) $p^2 - 42$ C) $p^2 + 21$
D) $p^2 - 21$

1302. 2.7-2 file-» 23 - 2 - - (36460)
$x^2 - 9x + q = 0$ тенгламанинг илдизларидан бири 2 га тенг. Бу тенгламанинг барча коэффициентлари йиғиндисини топинг.
A) 2 B) -6 C) 3 **D) 6**

1303. 2.7-2 file-» 23 - 3 - - (36519)
$x^2 + px - 12 = 0$ тенгламанинг илдизларидан бири 3 га тенг. Шу тенгламанинг барча коэффициентлари йиғиндисини топинг.
A) -13 **B) -10** C) -12 D) -11

1304. 2.7-2 file-» 23 - 16 - - 1 (86912)
$2x^2 - 26x + 32 = 0$ тенглама илдизларининг ўрта пропорционалини топинг.
A) 4 B) 5 C) 7 D) 6

1305. 2.7-2 file-» 23 - 16 - - 1 (86913)
Агар y_1 ва y_2 $y^2 - by + 2b - 3 = 0$ тенгламанинг илдизлари бўлса, b нинг қандай қийматида $y_1^2 + y_2^2$ ифоданинг қиймати энг кичик бўлади?
A) $1, 2$ **B) 2** C) 1 D) $1, 5$

1306. 2.7-2 file-» 16 - 6 - - 4 (88091)
$x^2 - 3|x| - 28 = 0$ тенгламанинг илдизлари кўпайтмасини топинг.
A) -49 B) -36 C) -32 D) -64

1307. 2.7-2 file-» 23 - 17 - - 7 (94277)
$x^2 + 2px + q^2 = 0$ $(q \neq 0)$ тенглама p/q нинг қандай қийматларида ҳақиқий илдизларга эга эмас?
A) $(-2; 2)$ B) $(0; 2]$ **C) $(-1; 1)$**
D) $(-\infty; -1) \cup (1; \infty)$

1308. 2.7-2 file-» 23 - 19 - - 2 (109045)
a нинг қандай қийматида $x^2 - (a - 1)x + 32 = 0$ тенгламанинг илдизларидан бири 4 га тенг бўлади?
A) 13 B) 12 C) 11 D) 14

1309. 2.7-2 file-» 27 - 2 - - 8 (113283)
k нинг қандай қийматларида $(2k + 5)x^2 + 7x - 2k^2 = 0$ тенглама $x = 1$ ечимга эга?
A) $1; 3$ B) $1; -3$ C) $-1; 3$ **D) $-2; 3$**

1310. 2.7-2 file-» 5 - 13 - - 9 (115032)
a нинг қандай қийматларида $ax^2 - 3x + 3 = 0$ тенглама битта илдизга эга бўлади?
A) $\frac{1}{3}$ B) 0 ва 1 **C) $\frac{3}{4}$ ва 0** D) $\frac{1}{3}$ ва 0

1311. 2.7-2 file-» 23 - 18 - - 7 (115461)
$x^2 - \frac{a}{4}x + a = 0$ тенгламанинг илдизларидан бири 1 га тенг. Тенгламанинг иккинчи илдизини топинг.
A) $-\frac{4}{3}$ B) $-\frac{1}{2}$ C) $\frac{1}{3}$ D) $-\frac{1}{3}$

1312. 2.7-2 file-» 23 - 18 - - 7 (115462)
p нинг нечта натурал қийматида $x^2 + px + 30 = 0$ тенглама ҳақиқий илдизга эга эмас?
A) 10 B) 14 C) 7 D) 15

1313. 2.7-2 file-» 23 - 18 - - 7 (115463)
$y^2 - ty + \frac{1}{2}t + 2 = 0$ тенглама тенг илдизларга эга бўладиган t нинг барча қийматлари йиғиндисини топинг.
A) 1 B) $1, 5$ C) -1 **D) 2**

1314. 2.7-2 file-» 19 - 7 - - 12 (136845)
k нинг қандай қийматларида $kx^2 - (k - 9)x + 3 = 0$ тенглама иккита тенг манфий илдизга эга?
A) $49; 1$ B) 1 C) $-49; -1$ **D) 3**

1315. 2.7-2 file-» 23 - 22 - - 1 (140300)
Агар $x - \sqrt{x + 3} - 27 = 0$ бўлса, $\sqrt{x + 3}$ нинг қийматини ҳисобланг.
A) 5 B) 4 **C) 6** D) 7

1316. 2.7-2 file-» 16 - 12 - - 9 (141672)
$2x^2 - 14x + c = 0$ тенгламанинг илдизларидан бири 0,5 га тенг. Шу тенгламанинг иккинчи илдизини топинг.
A) 4 B) 3 C) 0 **D) $6,5$**

1317. 2.7-2 file-» 16 - 13 - - 7 (147417)
$7x^2 + (5k^2 - 6k - 11)x - k^4 = 0$ тенгламанинг
илдизлари қарама-қарши сонлар бўладиган k
нинг барча қийматлари йиғиндисини
аниқланг.

A) $1,2$ B) $1,4$ C) $1,6$ D) $1,8$

1318. 2.7-2 file-» 22 - 25 - - 8 (151073)
$\dfrac{x^3 - 8}{x - 2} = 9 - 2x$ тенгламанинг илдизлари
йиғиндисини топинг.

A) 6 B) 4 **C)** -4 D) 3

1319. 2.7-2 file-» 22 - 25 - - 8 (151077)
$x^2 + x + a = 0$ тенгламанинг x_1 ва x_2
илдизлари орасида $\dfrac{1}{x_1} + \dfrac{1}{x_2} = \dfrac{2}{5}$ муносабат
ўринли. a нинг қийматини топинг.

A) $-2,5$ B) -2 C) -1 D) $-1,5$

1320. 2.7-2 file-» 22 - 25 - - 9 (151098)
$x^2 = |6 - 5x|$ тенгламанинг нечта илдизи бор?

A) 4 B) 1 C) 2 D) 3

1321. 2.7-2 file-» 55 - 1 - - (180970)
Илдизлари $3x^2 + x - 4 = 0$ тенгламанинг
илдизларига қарама-қарши сонлардан иборат
бўлган квадрат тенгламани тузинг.

A) $3x^2 - x - 4 = 0$ B) $3x^2 - x + 4 = 0$
C) $3x^2 + x + 4 = 0$ D) $3x^2 - 4x - 1 = 0$

1322. 2.7-2 file-» 23 - 2 - - (315270)
$x^2 - 9x + q = 0$ tenglamaning ildizlaridan biri 2
ga teng. Bu tenglamaning barcha koeffitsiyentlari
yig'indisini toping.

A) 2 B) -6 C) 3 **D)** 6

1323. 2.7-2 file-» 23 - 3 - - (315271)
$x^2 + px - 12 = 0$ tenglamaning ildizlaridan biri
3 ga teng. Shu tenglamaning barcha
koeffitsiyentlari yig'indisini toping.

A) -13 **B)** -10 C) -12 D) -11

1324. 2.7-2 file-» 23 - 16 - - 1 (315272)
$2x^2 - 26x + 32 = 0$ tenglama ildizlarining o'rta
proporsialini toping.

A) 4 B) 5 C) 7 D) 6

1325. 2.7-2 file-» 23 - 16 - - 1 (315273)
Agar y_1 va y_2 $y^2 - by + 2b - 3 = 0$ tenglamaning
ildizlari bo'lsa, b ning qanday qiymatida $y_1^2 + y_2^2$
ifodaning qiymati eng kichik bo'ladi?

A) $1,2$ **B)** 2 C) 1 D) $1,5$

1326. 2.7-2 file-» 16 - 6 - - 4 (315274)
$x^2 - 3|x| - 28 = 0$ tenglamaning ildizlari
ko'paytmasini toping.

A) -49 B) -36 C) -32 D) -64

1327. 2.7-2 file-» 23 - 17 - - 7 (315275)
$x^2 + 2px + q^2 = 0$ $(q \neq 0)$ tenglama p/q ning
qanday qiymatlarida haqiqiy ildizlarga ega emas?

A) $(-2; 2)$ B) $(0; 2]$ **C)** $(-1; 1)$
D) $(-\infty; -1) \cup (1; \infty)$

1328. 2.7-2 file-» 23 - 19 - - 2 (315276)
a ning qanday qiymatida $x^2 - (a - 1)x + 32 = 0$
tenglamaning ildizlaridan biri 4 ga teng bo'ladi?

A) 13 B) 12 C) 11 D) 14

1329. 2.7-2 file-» 27 - 2 - - 8 (315277)
k ning qanday qiymatlarida
$(2k + 5)x^2 + 7x - 2k^2 = 0$ tenglama $x = 1$
yechimga ega?

A) $1; 3$ B) $1; -3$ C) $-1; 3$ **D)** $-2; 3$

1330. 2.7-2 file-» 5 - 13 - - 9 (315278)
a ning qanday qiymatlarida $ax^2 - 3x + 3 = 0$
tenglama bitta ildizga ega bo'ladi?

A) $\dfrac{1}{3}$ B) 0 va 1 **C)** $\dfrac{3}{4}$ va 0 D) $\dfrac{1}{3}$ va 0

1331. 2.7-2 file-» 23 - 18 - - 7 (315279)
$x^2 - \dfrac{a}{4}x + a = 0$ tenglamaning ildizlaridan biri 1
ga teng. Tenglamaning ikkinchi ildizini toping.

A) $-\dfrac{4}{3}$ B) $-\dfrac{1}{2}$ C) $\dfrac{1}{3}$ D) $-\dfrac{1}{3}$

1332. 2.7-2 file-» 23 - 18 - - 7 (315280)
p ning nechta natural qiymatida $x^2 + px + 30 = 0$
tenglama haqiqiy ildizga ega emas?

A) 10 B) 14 C) 7 D) 15

1333. 2.7-2 file-» 23 - 18 - - 7 (315281)
$y^2 - ty + \dfrac{1}{2}t + 2 = 0$ tenglama teng ildizlarga ega
bo'ladigan t ning barcha qiymatlari yig'indisini
toping.

A) 1 B) $1,5$ C) -1 **D)** 2

1334. 2.7-2 file-» 19 - 7 - - 12 (315282)
k ning qanday qiymatlarida
$kx^2 - (k - 9)x + 3 = 0$ tenglama ikkita teng
manfiy ildizga ega?

A) $49; 1$ B) 1 C) $-49; -1$ **D)** 3

1335. 2.7-2 file-» 23 - 22 - - 1 (315283)
Agar $x - \sqrt{x + 3} - 27 = 0$ bo'lsa, $\sqrt{x + 3}$ ning
qiymatini hisoblang.

A) 5 B) 4 **C)** 6 D) 7

1336. 2.7-2 file-» 16 - 12 - - 9 (315284)
$2x^2 - 14x + c = 0$ tenglamaning ildizlaridan biri
0,5 ga teng. Shu tenglamaning ikkinchi ildizini
toping.

A) 4 B) 3 C) 0 **D)** $6,5$

1337.   2.7-2 file-» 16 - 13 - - 7   (315285)
$7x^2 + (5k^2 - 6k - 11)x - k^4 = 0$ tenglamaning ildizlari qarama-qarshi sonlar bo'ladigan k ning barcha qiymatlari yig'indisini aniqlang.

A) 1,2   B) 1,4   C) 1,6   D) 1,8

1338.   2.7-2 file-» 22 - 25 - - 8   (315286)
$\dfrac{x^3 - 8}{x - 2} = 9 - 2x$ tenglamaning ildizlari yig'indisini toping.

A) 6   B) 4   **C)** -4 D) 3

1339.   2.7-2 file-» 22 - 25 - - 8   (315287)
$x^2 + x + a = 0$ tenglamaning x_1 va x_2 ildizlari orasida $\dfrac{1}{x_1} + \dfrac{1}{x_2} = \dfrac{2}{5}$ munosabat o'rinli. a ning qiymatini toping.

A) $-2,5$ B) -2 C) -1 D) $-1,5$

1340.   2.7-2 file-» 22 - 25 - - 9   (315288)
$x^2 = |6 - 5x|$ tenglamaning nechta ildizi bor?

A) 4   B) 1   C) 2   D) 3

1341.   2.7-2 file-» 55 - 1 - -   (315289)
Ildizlari $3x^2 + x - 4 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan kvadrat tenglamani tuzing.

A) $3x^2 - x - 4 = 0$ B) $3x^2 - x + 4 = 0$
C) $3x^2 + x + 4 = 0$ D) $3x^2 - 4x - 1 = 0$

1342.   2.7-2 file-» 50 - 108 - -   (401786)
Ildizlari $x^2 - 10x + 24 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.

A) $24x^2 - 10x + 1 = 0.$
B) $24x^2 + 10x + 1 = 0.$
C) $24x^2 - 10x - 1 = 0.$
D) $24x^2 + 10x - 1 = 0.$

1343.   2.7-2 file-» 50 - 108 - -   (401787)
Ildizlari $x^2 - 11x + 24 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.

A) $24x^2 - 11x + 1 = 0.$
B) $24x^2 + 11x + 1 = 0.$
C) $24x^2 - 11x - 1 = 0.$
D) $24x^2 + 11x - 1 = 0.$

1344.   2.7-2 file-» 50 - 108 - -   (401788)
Ildizlari $x^2 - 9x + 18 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.

A) $18x^2 - 9x + 1 = 0.$ B) $18x^2 + 9x + 1 = 0.$
C) $18x^2 - 9x - 1 = 0.$ D) $18x^2 + 9x - 1 = 0.$

1345.   2.7-2 file-» 50 - 108 - -   (401789)
Ildizlari $x^2 - 15x + 56 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.

A) $56x^2 - 15x + 1 = 0$
B) $56x^2 + 15x + 1 = 0$ C) $56x^2 - 15x - 1 = 0$
D) $56x^2 + 15x - 1 = 0$

1346.   2.7-2 file-» 50 - 108 - -   (401790)
Ildizlari $x^2 - 14x + 48 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.

A) $48x^2 - 14x + 1 = 0$
B) $48x^2 + 14x + 1 = 0$ C) $48x^2 - 14x - 1 = 0$
D) $48x^2 + 14x - 1 = 0$

1347.   2.7-2 file-» 50 - 108 - -   (401791)
Ildizlari $x^2 - 11x + 28 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.

A) $28x^2 - 11x + 1 = 0$
B) $28x^2 + 11x + 1 = 0$ C) $28x^2 - 11x - 1 = 0$
D) $28x^2 + 11x - 1 = 0$

1348.   2.7-2 file-» 50 - 108 - -   (401792)
Ildizlari $x^2 - 20x + 96 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.

A) $96x^2 - 20x + 1 = 0$
B) $96x^2 + 20x + 1 = 0$ C) $96x^2 - 20x - 1 = 0$
D) $96x^2 + 20x - 1 = 0$

1349.   2.7-2 file-» 50 - 108 - -   (401793)
Ildizlari $x^2 - 17x + 66 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.

A) $66x^2 - 17x + 1 = 0$
B) $66x^2 + 17x + 1 = 0$ C) $66x^2 - 17x - 1 = 0$
D) $66x^2 + 17x - 1 = 0$

1350.   2.7-2 file-» 50 - 108 - -   (401794)
Ildizlari $x^2 - 22x + 112 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.

A) $112x^2 - 22x + 1 = 0$
B) $112x^2 + 22x + 1 = 0$
C) $112x^2 - 22x - 1 = 0$
D) $112x^2 + 22x - 1 = 0$

1351.   2.7-2 file-» 50 - 108 - -   (401795)
Ildizlari $x^2 - 17x + 52 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.

A) $52x^2 - 17x + 1 = 0$
B) $52x^2 + 17x + 1 = 0$ C) $52x^2 - 17x - 1 = 0$
D) $52x^2 + 17x - 1 = 0$

1352. 2.7-2 file-» 50 - 108 - - (401796)
Ildizlari $x^2 - 11x + 28 = 0$ tenglamaning ildizlaridan ikki marta katta bo'lgan kvadrat tenglama tuzing.

A) $x^2 - 22x + 112 = 0$
B) $x^2 + 22x + 112 = 0$ C) $x^2 - 22x - 112 = 0$
D) $x^2 + 22x - 112 = 0$

1353. 2.7-2 file-» 50 - 108 - - (401797)
Ildizlari $x^2 - 10x + 21 = 0$ tenglamaning ildizlaridan ikki marta katta bo'lgan kvadrat tenglama tuzing.

A) $x^2 - 20x + 84 = 0$ B) $x^2 + 20x + 84 = 0$
C) $x^2 + 20x - 84 = 0$ D) $x^2 - 20x - 84 = 0$

1354. 2.7-2 file-» 50 - 108 - - (401798)
Ildizlari $x^2 - 16x + 63 = 0$ tenglamaning ildizlaridan ikki marta katta bo'lgan kvadrat tenglama tuzing.

A) $x^2 - 32x + 252 = 0$
B) $x^2 + 32x + 252 = 0$ C) $x^2 + 32x - 252 = 0$
D) $x^2 - 32x - 252 = 0$

1355. 2.7-2 file-» 50 - 108 - - (401799)
Ildizlari $x^2 - 18x + 72 = 0$ tenglamaning ildizlaridan ikki marta katta bo'lgan kvadrat tenglama tuzing.

A) $x^2 - 36x + 288 = 0$
B) $x^2 + 36x + 288 = 0$ C) $x^2 + 36x - 288 = 0$
D) $x^2 - 36x - 288 = 0$

1356. 2.7-2 file-» 50 - 108 - - (401800)
Ildizlari $x^2 - 19x + 84 = 0$ tenglamaning ildizlaridan ikki marta katta bo'lgan kvadrat tenglama tuzing.

A) $x^2 - 38x + 336 = 0$
B) $x^2 + 38x + 336 = 0$ C) $x^2 + 38x - 336 = 0$
D) $x^2 - 38x - 336 = 0$

1357. 2.7-2 file-» 50 - 108 - - (401801)
Ildizlari $x^2 - 13x + 36 = 0$ tenglamaning ildizlaridan ikki marta katta bo'lgan kvadrat tenglama tuzing.

A) $x^2 - 26x + 144 = 0$
B) $x^2 + 26x + 144 = 0$ C) $x^2 + 26x - 144 = 0$
D) $x^2 - 26x - 144 = 0$

1358. 2.7-2 file-» 50 - 108 - - (401802)
Ildizlari $x^2 - 20x + 96 = 0$ tenglamaning ildizlaridan ikki marta katta bo'lgan kvadrat tenglama tuzing.

A) $x^2 - 40x + 384 = 0$
B) $x^2 + 40x + 384 = 0$ C) $x^2 + 40x - 384 = 0$
D) $x^2 - 40x - 384 = 0$

1359. 2.7-2 file-» 50 - 108 - - (401803)
Ildizlari $x^2 - 22x + 96 = 0$ tenglamaning ildizlaridan ikki marta katta bo'lgan kvadrat tenglama tuzing.

A) $x^2 - 44x + 384 = 0$
B) $x^2 + 44x + 384 = 0$ C) $x^2 + 44x - 384 = 0$
D) $x^2 - 44x - 384 = 0$

1360. 2.7-2 file-» 50 - 108 - - (401804)
Ildizlari $x^2 - 22x + 112 = 0$ tenglamaning ildizlaridan ikki marta katta bo'lgan kvadrat tenglama tuzing.

A) $x^2 - 44x + 448 = 0$
B) $x^2 + 44x + 448 = 0$ C) $x^2 + 44x - 448 = 0$
D) $x^2 - 44x - 448 = 0$

1361. 2.7-2 file-» 50 - 108 - - (401805)
Ildizlari $x^2 - 19x + 78 = 0$ tenglamaning ildizlaridan ikki marta katta bo'lgan kvadrat tenglama tuzing.

A) $x^2 - 38x + 312 = 0$
B) $x^2 + 38x + 312 = 0$ C) $x^2 + 38x - 312 = 0$
D) $x^2 - 38x - 312 = 0$

1362. 2.7-2 file-» 50 - 108 - - (401806)
Ildizlari $x^2 - 10x + 24 = 0$ tenglamaning ildizlaridan ikkita katta bo'lgan kvadrat tenglama tuzing.

A) $x^2 - 14x + 48 = 0$ B) $x^2 + 14x + 48 = 0$
C) $x^2 + 14x - 48 = 0$ D) $x^2 - 14x - 48 = 0$

1363. 2.7-2 file-» 50 - 108 - - (401807)
Ildizlari $x^2 - 11x + 24 = 0$ tenglamaning ildizlaridan ikkita katta bo'lgan kvadrat tenglama tuzing.

A) $x^2 - 15x + 50 = 0$ B) $x^2 + 15x + 50 = 0$
C) $x^2 + 15x - 50 = 0$ D) $x^2 - 15x - 50 = 0$

1364. 2.7-2 file-» 50 - 108 - - (401808)
Ildizlari $x^2 - 9x + 18 = 0$ tenglamaning ildizlaridan ikkita katta bo'lgan kvadrat tenglama tuzing.

A) $x^2 - 13x + 40 = 0$ B) $x^2 + 13x + 40 = 0$
C) $x^2 + 13x - 40 = 0$ D) $x^2 - 13x - 40 = 0$

1365. 2.7-2 file-» 50 - 108 - - (401809)
Ildizlari $x^2 - 15x + 56 = 0$ tenglamaning ildizlaridan ikkita katta bo'lgan kvadrat tenglama tuzing.

A) $x^2 - 19x + 90 = 0$ B) $x^2 + 19x + 90 = 0$
C) $x^2 + 19x - 90 = 0$ D) $x^2 - 19x - 90 = 0$

1366. 2.7-2 file-» 50 - 108 - - (401810)
Ildizlari $x^2 - 14x + 48 = 0$ tenglamaning ildizlaridan ikkita katta bo'lgan kvadrat tenglama tuzing.

A) $x^2 - 18x + 80 = 0$ B) $x^2 + 18x + 80 = 0$
C) $x^2 + 18x - 80 = 0$ D) $x^2 - 18x - 80 = 0$

1367.   2.7-2 file-» 50 - 108 - -   (401811)
Ildizlari $x^2 - 11x + 28 = 0$ tenglamaning
ildizlaridan ikkita katta bo'lgan kvadrat
tenglama tuzing.
A) $x^2 - 15x + 54 = 0$ B) $x^2 + 15x + 54 = 0$
C) $x^2 + 15x - 54 = 0$ D) $x^2 - 15x - 54 = 0$

1368.   2.7-2 file-» 50 - 108 - -   (401812)
Ildizlari $x^2 - 20x + 96 = 0$ tenglamaning
ildizlaridan ikkita katta bo'lgan kvadrat
tenglama tuzing.
A) $x^2 - 24x + 140 = 0$
B) $x^2 + 24x + 140 = 0$ C) $x^2 + 24x - 140 = 0$
D) $x^2 - 24x - 140 = 0$

1369.   2.7-2 file-» 50 - 108 - -   (401813)
Ildizlari $x^2 - 22x + 112 = 0$ tenglamaning
ildizlaridan ikkita katta bo'lgan kvadrat
tenglama tuzing.
A) $x^2 - 26x + 160 = 0$
B) $x^2 + 26x + 160 = 0$ C) $x^2 + 26x - 160 = 0$
D) $x^2 - 26x - 160 = 0$

1370.   2.7-2 file-» 50 - 108 - -   (401814)
Ildizlari $x^2 - 19x + 84 = 0$ tenglamaning
ildizlaridan ikkita katta bo'lgan kvadrat
tenglama tuzing.
A) $x^2 - 23x + 126 = 0$
B) $x^2 + 23x + 126 = 0$ C) $x^2 + 23x - 126 = 0$
D) $x^2 - 23x - 126 = 0$

1371.   2.7-2 file-» 50 - 108 - -   (401815)
Ildizlari $x^2 - 17x + 52 = 0$ tenglamaning
ildizlaridan ikkita katta bo'lgan kvadrat
tenglama tuzing.
A) $x^2 - 21x + 90 = 0$ B) $x^2 + 21x + 90 = 0$
C) $x^2 + 21x - 90 = 0$ D) $x^2 - 21x - 90 = 0$

1372.   2.7-2 file-» 50 - 115 - -   (401816)
k ning qanday qiymatida $3x^2 - 5x + 3k = 0$
tenglamaning x_1 va x_2 ildizlari orasida
$9x_1 + 3x_2 = 3$ munosabat o'rinli bo'ladi?
A) $\dfrac{-2}{3}$ B) $\dfrac{2}{3}$ C) $\dfrac{5}{3}$ D) $\dfrac{-5}{3}$

1373.   2.7-2 file-» 50 - 115 - -   (401817)
k ning qanday qiymatida $3x^2 - 14x + 3k = 0$
tenglamaning x_1 va x_2 ildizlari orasida
$6x_1 + 5x_2 = 24$ munosabat o'rinli bo'ladi?
A) $\dfrac{-8}{3}$ **B)** $\dfrac{8}{3}$ C) $\dfrac{14}{3}$ D) $\dfrac{-14}{3}$

1374.   2.7-2 file-» 50 - 115 - -   (401818)
k ning qanday qiymatida $4x^2 - 25x + 4k = 0$
tenglamaning x_1 va x_2 ildizlari orasida
$8x_1 + 6x_2 = 36$ munosabat o'rinli bo'ladi?
A) $\dfrac{-21}{4}$ B) $\dfrac{21}{4}$ C) $\dfrac{25}{4}$ D) $\dfrac{-25}{4}$

1375.   2.7-2 file-» 50 - 115 - -   (401819)
k ning qanday qiymatida $4x^2 + 41x + 4k = 0$
tenglamaning x_1 va x_2 ildizlari orasida
$12x_1 + 4x_2 = -35$ munosabat o'rinli bo'ladi?
A) $\dfrac{-33}{4}$ B) $\dfrac{33}{4}$ C) $\dfrac{-41}{4}$ D) $\dfrac{41}{4}$

1376.   2.7-2 file-» 50 - 115 - -   (401820)
k ning qanday qiymatida $3x^2 - 10x + 3k = 0$
tenglamaning x_1 va x_2 ildizlari orasida
$6x_1 + 7x_2 = 24$ munosabat o'rinli bo'ladi?
A) $\dfrac{-8}{3}$ B) $\dfrac{8}{3}$ C) $\dfrac{10}{3}$ D) $\dfrac{-10}{3}$

1377.   2.7-2 file-» 50 - 115 - -   (401821)
k ning qanday qiymatida $3x^2 + 5x + 3k = 0$
tenglamaning x_1 va x_2 ildizlari orasida
$6x_1 + 8x_2 = -14$ munosabat o'rinli bo'ladi?
A) $\dfrac{2}{3}$ **B)** $\dfrac{-2}{3}$ C) $\dfrac{5}{3}$ D) $\dfrac{-5}{3}$

1378.   2.7-2 file-» 50 - 115 - -   (401822)
k ning qanday qiymatida $3x^2 - 5x + 3k = 0$
tenglamaning x_1 va x_2 ildizlari orasida
$6x_1 + 11x_2 = 20$ munosabat o'rinli bo'ladi?
A) $\dfrac{2}{3}$ B) $\dfrac{-5}{3}$ **C)** $\dfrac{-2}{3}$ D) $\dfrac{5}{3}$

1379.   2.7-2 file-» 50 - 115 - -   (401823)
k ning qanday qiymatida $3x^2 - 14x + 3k = 0$
tenglamaning x_1 va x_2 ildizlari orasida
$9x_1 + 12x_2 = 54$ munosabat o'rinli bo'ladi?
A) $\dfrac{-14}{3}$ B) $\dfrac{14}{3}$ C) $\dfrac{-8}{3}$ **D)** $\dfrac{8}{3}$

1380.   2.7-2 file-» 50 - 115 - -   (401824)
k ning qanday qiymatida $4x^2 - 17x + 4k = 0$
tenglamaning x_1 va x_2 ildizlari orasida
$8x_1 + 11x_2 = 49$ munosabat o'rinli bo'ladi?
A) $\dfrac{-15}{4}$ B) $\dfrac{15}{4}$ C) $\dfrac{17}{4}$ D) $\dfrac{-17}{4}$

1381.   2.7-2 file-» 50 - 115 - -   (401825)
k ning qanday qiymatida $4x^2 + 49x + 4k = 0$
tenglamaning x_1 va x_2 ildizlari orasida
$12x_1 + 8x_2 = -95$ munosabat o'rinli bo'ladi?
A) $\dfrac{-39}{4}$ B) $\dfrac{39}{4}$ C) $\dfrac{-49}{4}$ D) $\dfrac{49}{4}$

1382.   2.7-2 file-» 50 - 115 - -   (401826)
k ning qanday qiymatida $3x^2 - 10x + 3k = 0$
tenglamaning x_1 va x_2 ildizlari orasida
$6x_1 + 13x_2 = 48$ munosabat o'rinli bo'ladi?
A) $\dfrac{8}{3}$ B) $\dfrac{-10}{3}$ **C)** $\dfrac{-8}{3}$ D) $\dfrac{10}{3}$

1383.   2.7-2 file-» 50 - 115 - -   (401827)

k ning qanday qiymatida $3x^2 + 5x + 3k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $6x_1 + 9x_2 = -16$ munosabat o'rinli bo'ladi?

A) $\dfrac{2}{3}$ B) $\dfrac{-5}{3}$ C) $\dfrac{5}{3}$ **D)** $\dfrac{-2}{3}$

1384.   2.7-2 file-» 50 - 115 - -   (401828)

k ning qanday qiymatida $4x^2 - 7x + 4k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $16x_1 + 3x_2 = 2$ munosabat o'rinli bo'ladi?

A) $\dfrac{-1}{2}$ B) $\dfrac{1}{2}$ C) $\dfrac{-7}{4}$ D) $\dfrac{7}{4}$

1385.   2.7-2 file-» 50 - 115 - -   (401829)

k ning qanday qiymatida $5x^2 - 22x + 5k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $5x_1 + 6x_2 = 26$ munosabat o'rinli bo'ladi?

A) $\dfrac{-8}{5}$ **B)** $\dfrac{8}{5}$ C) $\dfrac{22}{5}$ D) $\dfrac{-22}{5}$

1386.   2.7-2 file-» 50 - 115 - -   (401830)

k ning qanday qiymatida $5x^2 - 12x + 5k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $5x_1 + 8x_2 = 21$ munosabat o'rinli bo'ladi?

A) $\dfrac{9}{5}$ B) $\dfrac{-12}{5}$ **C)** $\dfrac{-9}{5}$ D) $\dfrac{12}{5}$

1387.   2.7-2 file-» 50 - 115 - -   (401831)

k ning qanday qiymatida $7x^2 + 18x + 7k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $14x_1 + 5x_2 = -9$ munosabat o'rinli bo'ladi?

A) $\dfrac{18}{7}$ B) $\dfrac{-18}{7}$ C) $\dfrac{9}{7}$ **D)** $\dfrac{-9}{7}$

1388.   2.7-2 file-» 50 - 115 - -   (401832)

k ning qanday qiymatida $2x^2 - 7x + 2k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $8x_1 + 6x_2 = 20$ munosabat o'rinli bo'ladi?

A) -2 B) 2 C) $\dfrac{7}{2}$ D) $\dfrac{-7}{2}$

1389.   2.7-2 file-» 50 - 115 - -   (401833)

k ning qanday qiymatida $4x^2 + 7x + 4k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $12x_1 + 9x_2 = -15$ munosabat o'rinli bo'ladi?

A) $\dfrac{7}{4}$ **B)** $\dfrac{-1}{2}$ C) $\dfrac{-7}{4}$ D) $\dfrac{1}{2}$

1390.   2.7-2 file-» 50 - 115 - -   (401834)

k ning qanday qiymatida $3x^2 - 8x + 3k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $6x_1 + 11x_2 = 31$ munosabat o'rinli bo'ladi?

A) $\dfrac{8}{3}$ B) $\dfrac{-8}{3}$ **C)** -1 D) 1

1391.   2.7-2 file-» 50 - 115 - -   (401835)

k ning qanday qiymatida $3x^2 - 17x + 3k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $9x_1 + 12x_2 = 66$ munosabat o'rinli bo'ladi?

A) $\dfrac{-10}{3}$ B) $\dfrac{-17}{3}$ C) $\dfrac{17}{3}$ **D)** $\dfrac{10}{3}$

1392.   2.7-2 file-» 50 - 115 - -   (401836)

k ning qanday qiymatida $4x^2 - 13x + 4k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $8x_1 + 11x_2 = 38$ munosabat o'rinli bo'ladi?

A) -3 B) 3 C) $\dfrac{13}{4}$ D) $\dfrac{-13}{4}$

1393.   2.7-2 file-» 50 - 115 - -   (401837)

k ning qanday qiymatida $4x^2 + 13x + 4k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $12x_1 + 8x_2 = -23$ munosabat o'rinli bo'ladi?

A) 3 **B)** -3 C) $\dfrac{-13}{4}$ D) $\dfrac{13}{4}$

1394.   2.7-2 file-» 50 - 115 - -   (401838)

k ning qanday qiymatida $3x^2 - 13x + 3k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $6x_1 + 13x_2 = 61$ munosabat o'rinli bo'ladi?

A) $\dfrac{10}{3}$ B) $\dfrac{13}{3}$ **C)** $\dfrac{-10}{3}$ D) $\dfrac{-13}{3}$

1395.   2.7-2 file-» 50 - 115 - -   (401839)

k ning qanday qiymatida $3x^2 + 8x + 3k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $6x_1 + 9x_2 = -25$ munosabat o'rinli bo'ladi?

A) $\dfrac{-8}{3}$ B) $\dfrac{8}{3}$ C) 1 **D)** -1

1396.   2.7-2 file-» 50 - 115 - -   (401840)

k ning qanday qiymatida $3x^2 - 13x + 3k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $6x_1 + 11x_2 = 51$ munosabat o'rinli bo'ladi?

A) $\dfrac{-10}{3}$ B) $\dfrac{10}{3}$ C) $\dfrac{13}{3}$ D) $\dfrac{-13}{3}$

1397.   2.7-2 file-» 50 - 115 - -   (401841)

k ning qanday qiymatida $3x^2 - 19x + 3k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $9x_1 + 12x_2 = 72$ munosabat o'rinli bo'ladi?

A) $\dfrac{20}{3}$ B) $\dfrac{-20}{3}$ C) $\dfrac{19}{3}$ D) $\dfrac{-19}{3}$

1398.   2.7-2 file-» 50 - 115 - -   (401842)

k ning qanday qiymatida $4x^2 - 7x + 4k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $8x_1 + 11x_2 = 23$ munosabat o'rinli bo'ladi?

A) $\dfrac{15}{4}$ B) $\dfrac{7}{4}$ **C)** $\dfrac{-15}{4}$ D) $\dfrac{-7}{4}$

1399.   2.7-2 file-» 50 - 115 - -   (401843)
k ning qanday qiymatida $4x^2 + 7x + 4k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $12x_1 + 8x_2 = -9$ munosabat o'rinli bo'ladi?

A) $\dfrac{7}{4}$ B) $\dfrac{15}{4}$ C) $\dfrac{-7}{4}$ **D)** $\dfrac{-15}{4}$

1400.   2.7-2 file-» 50 - 115 - -   (401844)
k ning qanday qiymatida $3x^2 - 7x + 3k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $6x_1 + 13x_2 = 42$ munosabat o'rinli bo'ladi?

A) $\dfrac{-20}{3}$ B) $\dfrac{20}{3}$ C) $\dfrac{7}{3}$ D) $\dfrac{-7}{3}$

1401.   2.7-2 file-» 50 - 115 - -   (401845)
k ning qanday qiymatida $3x^2 + x + 3k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $6x_1 + 9x_2 = -8$ munosabat o'rinli bo'ladi?

A) $\dfrac{1}{3}$ **B)** $\dfrac{-10}{3}$ C) $\dfrac{-1}{3}$ D) $\dfrac{10}{3}$

1402.   2.7-2 file-» 50 - 149 - -   (704264)
$x^2 - 10x + q = 0$ tenglamaning ildizlaridan biri 2 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.

A) 26   **B)** 7   C) 6   D) 27

1403.   2.7-2 file-» 50 - 149 - -   (704265)
$x^2 - 10x + q = 0$ tenglamaning ildizlaridan biri 3 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.

A) 32   B) 31   **C)** 12   D) 11

1404.   2.7-2 file-» 50 - 149 - -   (704266)
$x^2 - 10x + q = 0$ tenglamaning ildizlaridan biri 4 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.

A) 14   B) 35   C) 34   **D)** 15

1405.   2.7-2 file-» 50 - 149 - -   (704267)
$x^2 - 10x + q = 0$ tenglamaning ildizlaridan biri 5 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.

A) 16   B) 15   C) 36   D) 35

1406.   2.7-2 file-» 50 - 149 - -   (704268)
$x^2 - 10x + q = 0$ tenglamaning ildizlaridan biri 6 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.

A) 34   **B)** 15   C) 14   D) 35

1407.   2.7-2 file-» 50 - 149 - -   (704269)
$x^2 - 11x + q = 0$ tenglamaning ildizlaridan biri 2 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.

A) 30   B) 29   **C)** 8   D) 7

1408.   2.7-2 file-» 50 - 149 - -   (704270)
$x^2 - 11x + q = 0$ tenglamaning ildizlaridan biri 3 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.

A) 13   B) 36   C) 35   **D)** 14

1409.   2.7-2 file-» 50 - 149 - -   (704271)
Ildizlari $2x^2 + x - 3 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.

A) $2x^2 + x - 2 = 0$ B) $2x^2 - 3x + 1 = 0$
C) $2x^2 - x - 3 = 0$ D) $2x^2 - x + 3 = 0$

1410.   2.7-2 file-» 50 - 149 - -   (704272)
Ildizlari $3x^2 + x - 4 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.

A) $3x^2 - x + 4 = 0$ B) $3x^2 + x - 3 = 0$
C) $3x^2 - 4x + 1 = 0$ **D)** $3x^2 - x - 4 = 0$

1411.   2.7-2 file-» 50 - 149 - -   (704273)
Ildizlari $4x^2 + x - 5 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.

A) $4x^2 - x - 5 = 0$ B) $4x^2 - x + 5 = 0$
C) $4x^2 + x - 4 = 0$ D) $4x^2 - 5x + 1 = 0$

1412.   2.7-2 file-» 50 - 149 - -   (704274)
Ildizlari $6x^2 + x - 7 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.

A) $6x^2 - 7x + 1 = 0$ **B)** $6x^2 - x - 7 = 0$
C) $6x^2 - x + 7 = 0$ D) $6x^2 + x - 6 = 0$

1413.   2.7-2 file-» 50 - 149 - -   (704275)
Ildizlari $5x^2 + x - 6 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.

A) $5x^2 + x - 5 = 0$ B) $5x^2 - 6x + 1 = 0$
C) $5x^2 - x - 6 = 0$ D) $5x^2 - x + 6 = 0$

1414.   2.7-2 file-» 50 - 149 - -   (704276)
Ildizlari $7x^2 + x - 8 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.

A) $7x^2 - x + 8 = 0$ B) $7x^2 + x - 7 = 0$
C) $7x^2 - 8x + 1 = 0$ **D)** $7x^2 - x - 8 = 0$

1415.   2.7-2 file-» 50 - 149 - -   (704277)
Ildizlari $8x^2 + x - 9 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.

A) $8x^2 - x - 9 = 0$ B) $8x^2 - x + 9 = 0$
C) $8x^2 + x - 8 = 0$ D) $8x^2 - 9x + 1 = 0$

1416.   2.7-2 file-» 50 - 149 - -   (704278)
Ildizlari $5x^2 + 2x - 7 = 0$ tenglamaning
ildizlariga qarama-qarshi sonlardan iborat
bo'lgan tenglama tuzing.
A) $5x^2 - 7x + 2 = 0$ **B)** $5x^2 - 2x - 7 = 0$
C) $5x^2 - 2x + 7 = 0$ D) $5x^2 + 2x - 5 = 0$

1417.   2.7-2 file-» 50 - 149 - -   (704279)
a ning qanday qiymatida $x^2 - (a - 2)x + 14 = 0$
tenglamaning ildizlaridan biri 2 ga teng bo'ladi?
A) 7   B) -7 C) -11 **D) 11**

1418.   2.7-2 file-» 50 - 149 - -   (704280)
a ning qanday qiymatida $x^2 - (a - 3)x + 18 = 0$
tenglamaning ildizlaridan biri 3 ga teng bo'ladi?
A) 12   B) 6   C) -6 D) -12

1419.   2.7-2 file-» 50 - 149 - -   (704281)
a ning qanday qiymatida $x^2 - (a - 4)x + 20 = 0$
tenglamaning ildizlaridan biri 4 ga teng bo'ladi?
A) -13 **B) 13**   C) 5   D) -5

1420.   2.7-2 file-» 50 - 149 - -   (704282)
a ning qanday qiymatida $x^2 - (a - 2)x + 20 = 0$
tenglamaning ildizlaridan biri 5 ga teng bo'ladi?
A) -7 B) -11 **C) 11**   D) 7

1421.   2.7-2 file-» 50 - 149 - -   (704283)
a ning qanday qiymatida $x^2 - (a - 3)x + 18 = 0$
tenglamaning ildizlaridan biri 6 ga teng bo'ladi?
A) 6   B) -6 C) -12 **D) 12**

1422.   2.7-2 file-» 50 - 149 - -   (704284)
a ning qanday qiymatida $x^2 - (a - 4)x - 14 = 0$
tenglamaning ildizlaridan biri -2 ga teng
bo'ladi?
A) 9   B) 1   C) -1 D) -9

1423.   2.7-2 file-» 50 - 149 - -   (704285)
a ning qanday qiymatida $x^2 - (a - 2)x - 18 = 0$
tenglamaning ildizlaridan biri -3 ga teng
bo'ladi?
A) -5 **B) 5**   C) 1   D) -1

1424.   2.7-2 file-» 50 - 149 - -   (704286)
$x^2 - \dfrac{9}{14}ax + a = 0$ tenglamaning ildizlaridan biri
2 ga teng. Uning ikkinchi ildizini toping.
A) 8   **B) 7**   C) -7 D) 6

1425.   2.7-2 file-» 50 - 149 - -   (704287)
$x^2 - \dfrac{a}{2}x + a = 0$ tenglamaning ildizlaridan biri 3
ga teng. Uning ikkinchi ildizini toping.
A) 5   B) 7   **C) 6**   D) -6

1426.   2.7-2 file-» 50 - 149 - -   (704288)
$x^2 - \dfrac{9}{20}ax + a = 0$ tenglamaning ildizlaridan biri
4 ga teng. Uning ikkinchi ildizini toping.
A) -5 B) 4   C) 6   **D) 5**

1427.   2.7-2 file-» 50 - 149 - -   (704289)
$x^2 - \dfrac{9}{20}ax + a = 0$ tenglamaning ildizlaridan biri
5 ga teng. Uning ikkinchi ildizini toping.
A) 4   B) -4 C) 3   D) 5

1428.   2.7-2 file-» 50 - 149 - -   (704290)
$x^2 - \dfrac{a}{2}x + a = 0$ tenglamaning ildizlaridan biri 6
ga teng. Uning ikkinchi ildizini toping.
A) 4   **B) 3**   C) -3 D) 2

1429.   2.7-2 file-» 50 - 149 - -   (704291)
$x^2 + \dfrac{5}{14}ax + a = 0$ tenglamaning ildizlaridan biri
-2 ga teng. Uning ikkinchi ildizini toping.
A) 6   B) 8   **C) 7**   D) -7

1430.   2.7-2 file-» 50 - 149 - -   (704292)
$x^2 + \dfrac{a}{6}x + a = 0$ tenglamaning ildizlaridan biri
-3 ga teng. Uning ikkinchi ildizini toping.
A) -6 B) 5   C) 7   **D) 6**

1431.   2.7-2 file-» 50 - 149 - -   (704293)
$x^2 + \dfrac{a}{20}x + a = 0$ tenglamaning ildizlaridan biri
-4 ga teng. Uning ikkinchi ildizini toping.
A) 5   B) -5 C) 4   D) 6

1432.   2.7-2 file-» 51 - 1 - -   (719281)
Agar x_1 va x_2 lar $x^2 - 5x + 5,25 = 0$
tenglamaning ildizlari bo'lsa, u holda $\dfrac{4x_1 x_2}{x_1 + x_2}$ ni
hisoblang.
A) $\dfrac{21}{5}$ B) $\dfrac{19}{5}$ C) $-\dfrac{23}{5}$ D) $-\dfrac{21}{5}$

1433.   2.7-2 file-» 51 - 1 - -   (719282)
$x^2\sqrt{x - 4} - 25\sqrt{x - 4} = 0$ tenglama ildizlarining
ko'paytmasini toping.
A) -100 **B) 20**   C) -20 D) 100

1434.   2.7-2 file-» 51 - 1 - -   (719283)
p ning qanday qiymatlarida
$x^2 + p^2(x - 1) - x = 0$ tenglamaning ildizlari
qarama-qarshi sonlardan iborat bo'ladi?
A) $-4; 4$ **B) $-1; 1$**   C) $-3; 3$ D) $-2; 2$

1435.   2.7-2 file-» 51 - 1 - -   (719284)
$(x^2 - 5)^2 + x^2 - 5 = 0$ tenglamaning ildizlari
ko'paytmasini toping.
A) -20 B) -5 C) 5   **D) 20**

1436.   2.7-2 file-» 51 - 1 - -   (719285)
$(x-4)\sqrt{3+2x-x^2} = 0$ tenglamaning eng katta yechimini toping.
A) 3   B) 4   C) −1   D) 0

1437.   2.7-2 file-» 51 - 2 - -   (719286)
a ning qanday qiymatlarida $x^2 - 16x + 10a = 0$ tenglama ildizlarining ayirmasi 4 ga teng bo'ladi?
A) 6   B) 1   C) 16   D) 10

1438.   2.7-2 file-» 51 - 2 - -   (719287)
$\left(x^2 - \dfrac{1}{4}\right) \cdot \sqrt{x^2 - x} = 0$ tenglamaning haqiqiy ildizlari yig'indisini toping.
A) $\dfrac{3}{2}$ B) $\dfrac{5}{4}$ C) 1   **D)** $\dfrac{1}{2}$

1439.   2.7-2 file-» 51 - 2 - -   (719288)
$x^2 + x + 1 = \dfrac{15}{x^2 + x + 3}$ tenglamaning haqiqiy ildizlari ko'paytmasini toping.
A) −1   **B)** −2   C) 1   D) 2

1440.   2.7-2 file-» 51 - 2 - -   (719289)
$y = -2x^2 - 5x + 12$ parabolaning koordinat o'qlari bilan kesishish nuqtalari koordinatlari yig'indisini toping.
A) 12   B) −2,5   **C)** 9,5   D) 8

1441.   2.7-2 file-» 51 - 2 - -   (719290)
p ning $(1 - 3p)\,x^2 - 4x - 3 = 0$ tenglama haqiqiy ildizlarga ega bo'ladigan barcha qiymatlarini toping.
A) $\left(-\infty; \dfrac{4}{9}\right]$ **B)** $\left(-\infty; \dfrac{7}{9}\right]$ C) $\left(0; \dfrac{7}{9}\right]$
D) $\left(-\infty; \dfrac{4}{9}\right)$

1442.   2.7-2 file-» 58 - 1 - -   (719291)
a ning qanday qiymatida $a\left(2^x + 2^{-x}\right) = 5$ tenglama yagona ildizga ega bo'ladi?
A) 5   **B)** 2,5   C) 1   D) 0,5

1443.   2.7-2 file-» 58 - 1 - -   (719292)
$\dfrac{x^2 - 7x + 12}{x - 3} = x^2 + 8x - 34$ tenglamaning ildizlari yig'indisini toping.
A) 4   **B)** −10   C) −7   D) 8

1444.   2.7-2 file-» 58 - 1 - -   (719293)
$x^2 + \sqrt{x^2} = 2,75$ tenglamaning eng katta va eng kichik ildizlari ayirmasini toping.
A) $2\sqrt{3} - 1$ B) $3\sqrt{2} - 1$ C) $2\sqrt{3} + 1$
D) 1

1445.   2.7-2 file-» 50 - 161 - -   (719294)
$x^2 - 11x + q = 0$ tenglamaning ildizlaridan biri 4 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.
A) 18   B) 17   C) 40   D) 39

1446.   2.7-2 file-» 50 - 161 - -   (719295)
$x^2 - 11x + q = 0$ tenglamaning ildizlaridan biri 5 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.
A) 41   **B)** 20   C) 19   D) 42

1447.   2.7-2 file-» 50 - 161 - -   (719296)
$x^2 - 11x + q = 0$ tenglamaning ildizlaridan biri 6 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.
A) 42   B) 41   **C)** 20   D) 19

1448.   2.7-2 file-» 50 - 161 - -   (719297)
$x^2 - 12x + q = 0$ tenglamaning ildizlaridan biri 2 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.
A) 8   B) 33   C) 32   **D)** 9

1449.   2.7-2 file-» 50 - 161 - -   (719298)
$x^2 - 12x + q = 0$ tenglamaning ildizlaridan biri 3 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.
A) 16   B) 15   C) 40   D) 39

1450.   2.7-2 file-» 50 - 161 - -   (719299)
$x^2 - 12x + q = 0$ tenglamaning ildizlaridan biri 4 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.
A) 44   **B)** 21   C) 20   D) 45

1451.   2.7-2 file-» 50 - 161 - -   (719300)
$x^2 - 12x + q = 0$ tenglamaning ildizlaridan biri 5 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.
A) 48   B) 47   **C)** 24   D) 23

1452.   2.7-2 file-» 50 - 161 - -   (719301)
$x^2 - 12x + q = 0$ tenglamaning ildizlaridan biri 6 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.
A) 24   B) 49   C) 48   **D)** 25

1453.   2.7-2 file-» 50 - 161 - -   (719302)
Ildizlari $5x^2 + 4x - 9 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.
A) $5x^2 + 4x - 5 = 0$ B) $5x^2 - 9x + 4 = 0$
C) $5x^2 - 4x - 9 = 0$ D) $5x^2 - 4x + 9 = 0$

1454. 2.7-2 file-» 50 - 161 - - (719303)
Ildizlari $4x^2 + 5x - 9 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.
A) $4x^2 - 5x + 9 = 0$ B) $4x^2 + 5x - 4 = 0$
C) $4x^2 - 9x + 5 = 0$ **D)** $4x^2 - 5x - 9 = 0$

1455. 2.7-2 file-» 50 - 161 - - (719304)
Ildizlari $9x^2 + x - 10 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.
A) $9x^2 - x - 10 = 0$ B) $9x^2 - x + 10 = 0$
C) $9x^2 + x - 9 = 0$ D) $9x^2 - 10x + 1 = 0$

1456. 2.7-2 file-» 50 - 161 - - (719305)
Ildizlari $10x^2 + x - 11 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.
A) $10x^2 - 11x + 1 = 0$ **B)** $10x^2 - x - 11 = 0$
C) $10x^2 - x + 11 = 0$ D) $10x^2 + x - 10 = 0$

1457. 2.7-2 file-» 50 - 161 - - (719306)
Ildizlari $11x^2 + x - 12 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.
A) $11x^2 + x - 11 = 0$ B) $11x^2 - 12x + 1 = 0$
C) $11x^2 - x - 12 = 0$ D) $11x^2 - x + 12 = 0$

1458. 2.7-2 file-» 50 - 161 - - (719307)
Ildizlari $12x^2 + x - 13 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.
A) $12x^2 - x + 13 = 0$ B) $12x^2 + x - 12 = 0$
C) $12x^2 - 13x + 1 = 0$ **D)** $12x^2 - x - 13 = 0$

1459. 2.7-2 file-» 50 - 161 - - (719308)
Ildizlari $13x^2 + x - 14 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.
A) $13x^2 - x - 14 = 0$ B) $13x^2 - x + 14 = 0$
C) $13x^2 + x - 13 = 0$ D) $13x^2 - 14x + 1 = 0$

1460. 2.7-2 file-» 50 - 161 - - (719309)
a ning qanday qiymatida $x^2 - (a - 3)x - 20 = 0$ tenglamaning ildizlaridan biri -4 ga teng bo'ladi?
A) 2 B) -4 **C)** 4 D) -2

1461. 2.7-2 file-» 50 - 161 - - (719310)
a ning qanday qiymatida $x^2 - (a - 4)x - 20 = 0$ tenglamaning ildizlaridan biri -5 ga teng bo'ladi?
A) -5 B) 5 C) -3 **D)** 3

1462. 2.7-2 file-» 50 - 161 - - (719311)
a ning qanday qiymatida $x^2 - (a - 2)x - 18 = 0$ tenglamaning ildizlaridan biri -6 ga teng bo'ladi?
A) -1 B) -5 C) 5 D) 1

1463. 2.7-2 file-» 50 - 161 - - (719312)
a ning qanday qiymatida $x^2 - (a - 3)x + 16 = 0$ tenglamaning ildizlaridan biri 2 ga teng bo'ladi?
A) -13 **B)** 13 C) 7 D) -7

1464. 2.7-2 file-» 50 - 161 - - (719313)
a ning qanday qiymatida $x^2 - (a - 4)x + 21 = 0$ tenglamaning ildizlaridan biri 3 ga teng bo'ladi?
A) -6 B) -14 **C)** 14 D) 6

1465. 2.7-2 file-» 50 - 161 - - (719314)
a ning qanday qiymatida $x^2 - (a - 2)x + 24 = 0$ tenglamaning ildizlaridan biri 4 ga teng bo'ladi?
A) 8 B) -8 C) -12 **D)** 12

1466. 2.7-2 file-» 50 - 161 - - (719315)
a ning qanday qiymatida $x^2 - (a - 3)x + 25 = 0$ tenglamaning ildizlaridan biri 5 ga teng bo'ladi?
A) 13 B) 7 C) -7 D) -13

1467. 2.7-2 file-» 50 - 161 - - (719316)
a ning qanday qiymatida $x^2 - (a - 4)x + 24 = 0$ tenglamaning ildizlaridan biri 6 ga teng bo'ladi?
A) -14 **B)** 14 C) 6 D) -6

1468. 2.7-2 file-» 50 - 161 - - (719317)
$x^2 - \dfrac{a}{20}x + a = 0$ tenglamaning ildizlaridan biri -5 ga teng. Uning ikkinchi ildizini toping.
A) 5 **B)** 4 C) -4 D) 3

1469. 2.7-2 file-» 50 - 161 - - (719318)
$x^2 - \dfrac{a}{6}x + a = 0$ tenglamaning ildizlaridan biri -6 ga teng. Uning ikkinchi ildizini toping.
A) 2 B) 4 **C)** 3 D) -3

1470. 2.7-2 file-» 50 - 161 - - (719319)
$x^2 - \dfrac{5}{8}ax + a = 0$ tenglamaning ildizlaridan biri 2 ga teng. Uning ikkinchi ildizini toping.
A) -8 B) 7 C) 9 **D)** 8

1471. 2.7-2 file-» 50 - 161 - - (719320)
$x^2 - \dfrac{10}{21}ax + a = 0$ tenglamaning ildizlaridan biri 3 ga teng. Uning ikkinchi ildizini toping.
A) 7 B) -7 C) 6 D) 8

1472. 2.7-2 file-» 50 - 161 - - (719321)
$x^2 - \dfrac{5}{12}ax + a = 0$ tenglamaning ildizlaridan biri 4 ga teng. Uning ikkinchi ildizini toping.
A) 7 **B)** 6 C) -6 D) 5

1473.   2.7-2 file-» 50 - 161 - -   (719322)

$x^2 - \dfrac{2}{5}ax + a = 0$ tenglamaning ildizlaridan biri 5 ga teng. Uning ikkinchi ildizini toping.

A) 4   B) 6   **C) 5**   D) −5

1474.   2.7-2 file-» 50 - 161 - -   (719323)

$x^2 - \dfrac{5}{12}ax + a = 0$ tenglamaning ildizlaridan biri 6 ga teng. Uning ikkinchi ildizini toping.

A) −4   B) 3   C) 5   **D) 4**

1475.   2.8-1 file-» 6 - 3 - -   (14017)

$\begin{cases} x + y = 3 \\ x^2 - y^2 = -6, \quad y-? \end{cases}$

A) 0,5   **B) 2,5**   C) 3   D) 1

1476.   2.8-1 file-» 6 - 4 - -   (14069)

$\begin{cases} x^2 + y^2 = 5 \\ x - y = 1, \quad 2 \cdot x \cdot y =? \end{cases}$

A) 2   B) 3   C) 1,5   **D) 4**

1477.   2.8-1 file-» 6 - 5 - -   (14121)

$\begin{cases} x^2 + y^2 + xy = 7 \\ x + y = 3, \quad 2 \cdot x \cdot y-? \end{cases}$

A) 3   B) 1   C) 2   **D) 4**

1478.   2.8-1 file-» 23 - 2 - -   (36455)

$\begin{cases} x + 2 = 0 \\ x^2 y = 8 \end{cases}$ тенгламалар системасини ечинг.

A) (−2; −2)   **B) (−2; 2)**   C) (−2; 2), (−2; −2)
D) ∅

1479.   2.8-1 file-» 23 - 3 - -   (36515)

$\begin{cases} y + 4 = 2 \\ xy^2 = 4 \end{cases}$ тенгламалар системасини ечинг.

A) (1; −2)   B) (−1; −2)   C) ∅
D) (−1; −2); (1; −2)

1480.   2.8-1 file-» 23 - 4 - -   (36573)

$\begin{cases} x^2 - y^2 + 2x - 4 = 0 \\ x + y = 0 \end{cases}$ тенгламалар системасини ечинг.

A) (2; 2)   B) (−2; −2)   C) (−1; −1)
D) (2; −2)

1481.   2.8-1 file-» 17 - 3 - - 11   (98391)

$\begin{cases} x + y = 6, \\ x^2 - y^2 = 12. \end{cases}$ $y-?$

A) 2   B) 4   C) 1   D) 3

1482.   2.8-1 file-» 17 - 3 - - 11   (98393)

$\begin{cases} x^2 + y^2 - xy = 1, \\ x + y = -2. \end{cases}$ $2xy =?$

A) 1   B) −1   **C) 2**   D) −3

1483.   2.8-1 file-» 17 - 3 - - 11   (98394)

$\begin{cases} x + 3 = 0 \\ xy^2 = 12 \end{cases}$ тенгламалар системасининг ечимини топинг.

A) (−3; 2)   B) (−3; −2)   **C) ∅**
D) (−3; −2), (−3; 2)

1484.   2.8-1 file-» 17 - 3 - -   (98395)

$\begin{cases} y + 2 = 0 \\ x^2 y = 18 \end{cases}$ тенгламалар системасининг ечимини топинг.

A) (−3; −2)   B) (−3; 2)
C) (−3; −2), (3; −2)   **D) ∅**

1485.   2.8-1 file-» 6 - 3 - -   (315290)

$\begin{cases} x + y = 3 \\ x^2 - y^2 = -6, \quad y-? \end{cases}$

A) 0,5   **B) 2,5**   C) 3   D) 1

1486.   2.8-1 file-» 6 - 4 - -   (315291)

$\begin{cases} x^2 + y^2 = 5 \\ x - y = 1, \quad 2 \cdot x \cdot y =? \end{cases}$

A) 2   B) 3   C) 1,5   **D) 4**

1487.   2.8-1 file-» 6 - 5 - -   (315292)

$\begin{cases} x^2 + y^2 + xy = 7 \\ x + y = 3, \quad 2 \cdot x \cdot y-? \end{cases}$

A) 3   B) 1   C) 2   **D) 4**

1488.   2.8-1 file-» 23 - 2 - -   (315293)

$\begin{cases} x + 2 = 0 \\ x^2 y = 8 \end{cases}$ tenglamalar sistemasini yeching.

A) (−2; −2)   **B) (−2; 2)**
C) (−2; 2), (−2; −2)   D) ∅

1489.   2.8-1 file-» 23 - 3 - -   (315294)

$\begin{cases} y + 4 = 2 \\ xy^2 = 4 \end{cases}$ tenglamalar sistemasini yeching.

A) (1; −2)   B) (−1; −2)   C) ∅
D) (−1; −2); (1; −2)

1490.   2.8-1 file-» 23 - 4 - -   (315295)

$\begin{cases} x^2 - y^2 + 2x - 4 = 0 \\ x + y = 0 \end{cases}$ tenglamalar sistemasini yeching.

A) (2; 2)   B) (−2; −2)   C) (−1; −1)
D) (2; −2)

1491.   2.8-1 file-» 17 - 3 - - 11   (315296)

$\begin{cases} x + y = 6, \\ x^2 - y^2 = 12. \end{cases}$ $y-?$

A) 2   B) 4   C) 1   D) 3

1492.   2.8-1 file-» 17 - 3 - - 11   (315297)

$\begin{cases} x^2 + y^2 - xy = 1, \\ x + y = -2. \end{cases}$ $2xy =?$

A) 1   B) −1   **C) 2**   D) −3

1493.   2.8-1 file-» 17 - 3 - - 11   (315298)
$\begin{cases} x + 3 = 0 \\ xy^2 = 12 \end{cases}$ tenglamalar sistemasining yechimini
toping.

A) $(-3; \ 2)$ B) $(-3; \ -2)$ **C) $\emptyset$**
D) $(-3; \ -2), \ (-3; \ 2)$

1494.   2.8-1 file-» 17 - 3 - -   (315299)
$\begin{cases} y + 2 = 0 \\ x^2 y = 18 \end{cases}$ tenglamalar sistemasining yechimini
toping.

A) $(-3; \ -2)$ B) $(-3; \ 2)$
C) $(-3; \ -2), \ (3; \ -2)$ **D) $\emptyset$**

1495.   2.8-1 file-» 12 - 1 - -   (315300)
Raqamlarining yig'indisidan 8 marta katta,
raqamlari kvadratlarining yig'indisi esa 53 ga
teng bo'lgan ikki xonali sonning kvadratini
toping.

A) 5184   B) 729   C) 529   D) 6561

1496.   2.8-1 file-» 23 - 13 - - 10   (315301)
Agar $m - n = (4x + y)^2$ va $n - m = (4x - y - 24)^2$
bo'lsa, $y - x$ ning qiymatini hisoblang.

A) -9 B) -6 **C) -15**   D) 9

1497.   2.8-1 file-» 23 - 13 - - 10   (315302)
Agar $x^2 y + xy^2 = 12$ va $x^2 y - xy^2 = 84$ bo'lsa,
$\dfrac{y}{x}$ ning qiymatini hisoblang.

A) 1   B) $\dfrac{1}{4}$ **C) $-\dfrac{3}{4}$**   D) $-\dfrac{1}{2}$

1498.   2.8-1 file-» 12 - 2 - - 7   (315303)
Ikki xonali son o'zining raqamlari yig'indisidan 4
marta katta. Raqamlari kvadratlarining
yig'indisi 80 ga teng. Shu ikki xonali sonning
kvadratini hisoblang.

A) 7056   B) 196   **C) 2304**   D) 169

1499.   2.8-1 file-» 23 - 17 - - 7   (315304)
Agar $\begin{cases} (x - 2)^2 + |y - 1| = 4 \\ |x - 2| + |y - 1| = 2 \end{cases}$ bo'lsa, $x - y$ ning
qiymatini toping.

A) 3 yoki -1   B) 0 yoki 4   C) -2 yoki 4
D) 1 yoki 5

1500.   2.8-1 file-» 19 - 3 - - 9   (315305)
Agar $\begin{cases} x - y = 27, \\ \sqrt{x} - \sqrt{y} = 3 \end{cases}$ bo'lsa, $x + 2y$ ning
qiymatini toping.

A) 54   B) 72   C) 63   D) 45

1501.   2.8-1 file-» 22 - 20 - - 6   (315306)
Agar $\sqrt{3x^2 - 6x + 16} = 2x - 1$ bo'lsa, $x^2(4 - x)$
ning qiymatini toping.

A) 9   B) 65   C) -65 D) 54

1502.   2.8-1 file-» 19 - 4 - - 3   (315307)
a ning qanday qiymatida faqat bitta $(x; \ y)$
juftlik $\begin{cases} x + y = a \\ xy = 0,25 \end{cases}$ tenglamalar sistemasini
qanoatlantiradi?

A) $-1; 1$ B) $\dfrac{1}{2}; -\dfrac{1}{2}$ C) -3 D) $-3; 3$

1503.   2.8-1 file-» 19 - 4 - - 3   (315308)
$x^2 + 5x - \sqrt{x^2 + 5x + 25} = 17$ tenglamaning
ildizlari ko'paytmasini toping.

A) -24   B) 12   C) -16 D) -8

1504.   2.8-1 file-» 2 - 5 - - 5   (315309)
Ikki sonning o'rta arifmetigi 16 ga,
kvadratlarining ayirmasi 192 ga teng. Shu ikki
son kvadratlarining yig'indisini toping.

A) 514   B) 520   **C) 530**   D) 544

1505.   2.8-1 file-» 2 - 42 - - 5   (315310)
$14 - \sqrt{x^2 - 3x + 6} = x^2 - 3x$ tenglama
ildizlarining yig'indisini toping.

A) 5   B) 6   C) 7   **D) 3**

1506.   2.8-1 file-» 22 - 23 - - 6   (315311)
Agar $y - x = 2$ va $a > 0$ bo'lsa, $\begin{cases} y^2 - x^2 = 6a \\ y + x = 1,5a^2 \end{cases}$
tenglamalar sistemasini yeching.

A) $(5; 7)$ B) $(7; 9)$ C) $(4; 6)$ **D) $(2; 4)$**

1507.   2.8-1 file-» 19 - 8 - - 6   (315312)
$\begin{cases} x^3 + y^3 = 126 \\ x^2 y + xy^2 = 30 \end{cases}$ tenglamalar sistemasining
haqiqiy yechimlaridan iborat barcha x va y
larning yig'indisini toping.

A) 12   B) 2   C) 6   D) 10

1508.   2.8-1 file-» 31 - 2 - - 5   (315313)
Agar $\begin{cases} x + y - \sqrt{xy} = 13 \\ x^2 + y^2 + xy = 481 \end{cases}$ bo'lsa, $\sqrt{xy}$ ning
qiymatini toping.

A) 36   B) 42   **C) 12**   D) 52

1509.   2.8-1 file-» 32 - 1 - -   (315314)
$(x - 2)x(x - 3)(x + 1) = 40$ tenglama haqiqiy
ildizlarining yig'indisini toping.

A) 5   **B) 2**   C) -1 D) -4

1510.   2.8-1 file-» 5 - 10 - -   (401846)
Agar $\begin{cases} \sqrt{x} + \sqrt{y} = 6 \\ \sqrt{xy} = 8 \end{cases}$
bo'lsa, $x + y$ ni toping.

A) 17   B) 18   **C) 20**   D) 16

1511.   2.8-1 file-» 5 - 7 - -   (401847)
Agar $\begin{cases} \sqrt{x} + \sqrt{y} = 9 \\ \sqrt{xy} = 20 \end{cases}$ bo'lsa, $x + y$ ni toping.

A) 41   B) 23   C) 24   D) 25

1512.   2.8-1 file-» 23 - 3 - -   (401848)
Agar $(x - 16)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ nechaga teng?

A) 0 *yoki* 8 B) 4 C) 6 **D)** 12 *yoki* 20

1513.   2.8-1 file-» 12 - 1 - -   (401849)
Agar $\begin{cases} x^2 - 2xy + y^2 = \dfrac{484}{9} \\ xy = \dfrac{23}{9} \end{cases}$ bo'lsa, $|x + y|$ ni hisoblang.

A) 7 B) 6 C) 5 **D)** 8

1514.   2.8-1 file-» 13 - 3 - -   (401850)
Agar $x^2 + y^2 = \dfrac{50}{9}$ va $x^2 - y^2 = \dfrac{16}{3}$ bo'lsa, $|x| - |y|$ ni toping.

A) 3 B) 4 **C)** 2 D) 6

1515.   2.8-1 file-» 13 - 4 - -   (401851)
Agar $x^2 + y^2 = 160$ va $x - y = 8$ bo'lsa, xy qanchaga teng bo'ladi?

A) 56 **B)** 48 C) 24 D) 40

1516.   2.8-1 file-» 16 - 1 - -   (401852)
Agar $x - y = 4$ va $xy = 12$ bo'lsa, $x^3y + xy^3$ ning qiymati qancha bo'ladi?

A) 480 B) 460 C) 380 D) 216

1517.   2.8-1 file-» 16 - 1 - -   (401853)
Agar x va z orasida $x^2 + z^2 + 3x + 4z + 6\dfrac{1}{4} = 0$ munosabat o'rinli bo'lsa, $x \cdot z$ ning qiymati qancha bo'ladi?

A) $12, 25$ **B)** 3 C) 8 D) 1

1518.   2.8-1 file-» 16 - 2 - -   (401854)
$x + y = \sqrt{2 + \sqrt{31}}; \quad xy = 1.$
$x^5y + xy^5 - ?$

A) 47 **B)** 29 C) 51 D) 24

1519.   2.8-1 file-» 16 - 6 - - 4   (401855)
$(81 - x^2)\sqrt{x - 4} = 0$ tenglamaning ildizlari yig'indisini toping.

A) -5 **B)** 13 C) 0 D) 4

1520.   2.8-1 file-» 19 - 3 - - 9   (401856)
$\dfrac{2}{x - 3} = \dfrac{x + 9}{x^2 - 9}$ tenglamani yeching.

A) $\varnothing$ B) 2 C) 1 D) -1

1521.   2.8-1 file-» 19 - 3 - - 9   (401857)
Kvadrat shaklidagi tunukadan eni 3 ga teng bo'lgan qismi qirqib olindi. Agar qolgan qismining yuzi 108 ga teng bo'lsa, kvadratning tomonini aniqlang.

A) 12 B) 11 C) 8 D) 13

1522.   2.8-1 file-» 29 - 1 - - 12   (401858)
Agar $\begin{cases} x^2 + y^2 = 89 \\ x + y = 3 \end{cases}$ bo'lsa, $|x - y|$ ning qiymatini toping.

A) 11 **B)** 13 C) 6 D) 14

1523.   2.8-1 file-» 2 - 7 - - 1   (401859)
$(x^2 - 64)\sqrt{x - 1} = 0$ tenglamaning ildizlari yig'indisini hisoblang.

A) 1 B) -1 C) 3 **D)** 9

1524.   2.8-1 file-» 55 - 1 - -   (401860)
$\begin{cases} \dfrac{1}{x} + \dfrac{3}{y} = \dfrac{5}{2}, \\ xy = 3 \end{cases}$ dan x ni toping.

A) 1 B) $3; \dfrac{1}{3}$ C) -1 **D)** $2; \dfrac{1}{2}$

1525.   2.8-2 file-» 50 - 135 - -   (704294)
Agar $x - y = 1$ va $xy = 6$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.

A) 178 B) 98 **C)** 78 D) 88

1526.   2.8-2 file-» 50 - 135 - -   (704295)
Agar $x - y = 3$ va $xy = 4$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.

A) 78 B) 168 C) 88 **D)** 68

1527.   2.8-2 file-» 50 - 135 - -   (704296)
Agar $x - y = 7$ va $xy = -6$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.

A) -222 B) -212 C) -122 D) -202

1528.   2.8-2 file-» 50 - 135 - -   (704297)
Agar $x - y = 4$ va $xy = 12$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.

A) 460 **B)** 480 C) 470 D) 380

1529.   2.8-2 file-» 50 - 135 - -   (704298)
Agar $x - y = 3$ va $xy = 18$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.

A) 710 B) 790 **C)** 810 D) 800

1530.   2.8-2 file-» 50 - 135 - -   (704299)
Agar $x - y = 7$ va $xy = -10$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.

A) -300 B) -390 C) -310 **D)** -290

1531.   2.8-2 file-» 50 - 135 - -   (704300)
Agar $x - y = 5$ va $x^2 + y^2 = 13$ bo'lsa, $|x + y|$ ning qiymatini toping.

A) 1 B) 5 C) 11 D) 15

1532.   2.8-2 file-» 50 - 135 - -   (704301)
Agar $x^2 + y^2 = 17$ va $x - y = 5$ bo'lsa, $|x + y|$ ning qiymatini toping.

A) 15 **B)** 3 C) 5 D) 13

1533. 2.8-2 file-» 50 - 135 - - (704302)
Agar $x - y = 7$ va $x^2 + y^2 = 37$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 15   B) 17   **C)** 5   D) 7

1534. 2.8-2 file-» 50 - 135 - - (704303)
Agar $x - y = 4$ va $x^2 + y^2 = 40$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 4   B) 18   C) 14   **D)** 8

1535. 2.8-2 file-» 50 - 135 - - (704304)
Agar $x - y = 3$ va $x^2 + y^2 = 45$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 9   B) 3   C) 19   D) 13

1536. 2.8-2 file-» 50 - 135 - - (704305)
Agar $x - y = 7$ va $x^2 + y^2 = 29$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 17   **B)** 3   C) 7   D) 13

1537. 2.8-2 file-» 50 - 135 - - (704306)
Agar $x^2 + y^2 = 13$ va $xy = -6$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 1   B) 5   C) 2   D) 3

1538. 2.8-2 file-» 50 - 135 - - (704307)
Agar $x^2 + y^2 = 17$ va $xy = -4$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 5   **B)** 3   C) 4   D) 1

1539. 2.8-2 file-» 50 - 135 - - (704308)
Agar $x^2 + y^2 = 37$ va $xy = -6$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 2   B) 7   **C)** 5   D) 6

1540. 2.8-2 file-» 50 - 135 - - (704309)
Agar $x^2 + y^2 = 40$ va $xy = 12$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 4   B) 5   C) 10   **D)** 8

1541. 2.8-2 file-» 50 - 135 - - (704310)
Agar $x^2 + y^2 = 45$ va $xy = 18$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 9   B) 3   C) 6   D) 11

1542. 2.8-2 file-» 50 - 135 - - (704311)
Agar $x^2 + y^2 = 29$ va $xy = -10$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 5   **B)** 3   C) 7   D) 1

1543. 2.8-2 file-» 50 - 135 - - (704312)
Agar $(x - 49)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
A) 61   B) 35 *yoki* 63   **C)** 42 *yoki* 56
D) 37

1544. 2.8-2 file-» 50 - 135 - - (704313)
Agar $(x - 64)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
A) 50   B) 78   C) 48 *yoki* 80
D) 56 *yoki* 72

1545. 2.8-2 file-» 50 - 135 - - (704314)
Agar $(x - 81)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
A) 72 *yoki* 90   B) 65   C) 97
D) 63 *yoki* 99

1546. 2.8-2 file-» 50 - 135 - - (704315)
Agar $(x - 100)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
A) 80 *yoki* 120   **B)** 90 *yoki* 110   C) 82
D) 118

1547. 2.8-2 file-» 50 - 135 - - (704316)
Agar $(x - 121)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
A) 141   B) 99 *yoki* 143   **C)** 110 *yoki* 132
D) 101

1548. 2.8-2 file-» 50 - 135 - - (704317)
Agar $(x - 144)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
A) 122   B) 166   C) 120 *yoki* 168
D) 132 *yoki* 156

1549. 2.8-2 file-» 50 - 135 - - (704318)
Agar $\sqrt{x} + \sqrt{y} = 17$ va $\sqrt{xy} = 72$ bo'lsa, $|x - y|$ ning qiymatini toping.
A) 15   B) 142   **C)** 17   D) 145

1550. 2.8-2 file-» 50 - 135 - - (704319)
Agar $\sqrt{x} + \sqrt{y} = 19$ va $\sqrt{xy} = 90$ bo'lsa, $|x - y|$ ning qiymatini toping.
A) 181   B) 17   C) 178   **D)** 19

1551. 2.8-2 file-» 50 - 135 - - (704320)
Agar $\sqrt{x} + \sqrt{y} = 21$ va $\sqrt{xy} = 110$ bo'lsa, $|x - y|$ ning qiymatini toping.
A) 21   B) 221   C) 19   D) 218

1552. 2.8-2 file-» 50 - 135 - - (704321)
Agar $\sqrt{x} + \sqrt{y} = 23$ va $\sqrt{xy} = 132$ bo'lsa, $|x - y|$ ning qiymatini toping.
A) 262   **B)** 23   C) 265   D) 21

1553. 2.8-2 file-» 50 - 135 - - (704322)
Agar $\sqrt{x} + \sqrt{y} = 25$ va $\sqrt{xy} = 156$ bo'lsa, $|x - y|$ ning qiymatini toping.
A) 23   B) 310   **C)** 25   D) 313

1554.   2.8-2 file-» 50 - 135 - -   (704323)
Agar $\sqrt{x} + \sqrt{y} = 27$ va $\sqrt{xy} = 182$ bo'lsa, $|x - y|$ ning qiymatini toping.
A) 365   B) 25   C) 362   **D) 27**

1555.   2.8-2 file-» 51 - 2 - -   (719324)
$\begin{cases} x^2 + y^2 = 74 \\ x \cdot y = 35 \end{cases}$ tenglamalar sistemasining nechta yechimi bor?
A) 2   B) 1   C) 0   **D) 4**

1556.   2.8-2 file-» 50 - 140 - -   (719325)
Agar $x - y = -3$ va $xy = 4$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.
A) 48   **B) 68**   C) 58   D) -32

1557.   2.8-2 file-» 50 - 140 - -   (719326)
Agar $x - y = -4$ va $xy = 5$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.
A) 230   B) 150   **C) 130**   D) 140

1558.   2.8-2 file-» 50 - 140 - -   (719327)
Agar $x - y = -5$ va $xy = 6$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.
A) 232   B) 322   C) 242   **D) 222**

1559.   2.8-2 file-» 50 - 140 - -   (719328)
Agar $x - y = -6$ va $xy = 7$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.
A) 350   B) 340   C) 250   D) 330

1560.   2.8-2 file-» 50 - 140 - -   (719329)
Agar $x - y = -2$ va $xy = 8$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.
A) 140   **B) 160**   C) 150   D) 60

1561.   2.8-2 file-» 50 - 140 - -   (719330)
Agar $x - y = -3$ va $xy = 10$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.
A) 390   B) 310   **C) 290**   D) 300

1562.   2.8-2 file-» 50 - 140 - -   (719331)
Agar $x - y = -3$ va $x^2 + y^2 = 17$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 5   B) 3   C) 15   D) 7

1563.   2.8-2 file-» 50 - 140 - -   (719332)
Agar $x - y = -4$ va $x^2 + y^2 = 26$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 5   **B) 6**   C) 4   D) 16

1564.   2.8-2 file-» 50 - 140 - -   (719333)
Agar $x - y = -5$ va $x^2 + y^2 = 37$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 17   B) 5   **C) 7**   D) 6

1565.   2.8-2 file-» 50 - 140 - -   (719334)
Agar $x - y = -6$ va $x^2 + y^2 = 50$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 6   B) 18   C) 4   **D) 8**

1566.   2.8-2 file-» 50 - 140 - -   (719335)
Agar $x - y = -2$ va $x^2 + y^2 = 20$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 6   B) 2   C) 16   D) 8

1567.   2.8-2 file-» 50 - 140 - -   (719336)
Agar $x - y = -3$ va $x^2 + y^2 = 29$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 5   **B) 7**   C) 3   D) 17

1568.   2.8-2 file-» 50 - 140 - -   (719337)
Agar $x^2 + y^2 = 17$ va $xy = 4$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 5   B) 3   C) 2   D) 7

1569.   2.8-2 file-» 50 - 140 - -   (719338)
Agar $x^2 + y^2 = 26$ va $xy = 5$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 8   **B) 6**   C) 4   D) 3

1570.   2.8-2 file-» 50 - 140 - -   (719339)
Agar $x^2 + y^2 = 37$ va $xy = 6$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 4   B) 9   **C) 7**   D) 5

1571.   2.8-2 file-» 50 - 140 - -   (719340)
Agar $x^2 + y^2 = 50$ va $xy = 7$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 6   B) 5   C) 10   **D) 8**

1572.   2.8-2 file-» 50 - 140 - -   (719341)
Agar $x^2 + y^2 = 20$ va $xy = 8$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 6   B) 2   C) 3   D) 8

1573.   2.8-2 file-» 50 - 140 - -   (719342)
Agar $x^2 + y^2 = 29$ va $xy = 10$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 9   **B) 7**   C) 3   D) 4

1574.   2.8-2 file-» 50 - 140 - -   (719343)
Agar $(x - 1)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
A) -1 *yoki* 3   **B) 0 *yoki* 2**   C) 1   D) 3

1575.   2.8-2 file-» 50 - 140 - -   (719344)
Agar $(x - 4)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
A) 6   B) 0 *yoki* 8   **C) 2 *yoki* 6**   D) 2

1576. 2.8-2 file-» 50 - 140 - - (719345)
Agar $(x-9)^2 + (x-y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.

A) 5   B) 13   C) 3 *yoki* 15   **D) 6 *yoki* 12**

1577. 2.8-2 file-» 50 - 140 - - (719346)
Agar $(x-16)^2 + (x-y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.

A) 12 *yoki* 20   B) 10   C) 22
D) 8 *yoki* 24

1578. 2.8-2 file-» 50 - 140 - - (719347)
Agar $(x-25)^2 + (x-y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.

A) 15 *yoki* 35   **B) 20 *yoki* 30**   C) 17
D) 33

1579. 2.8-2 file-» 50 - 140 - - (719348)
Agar $(x-36)^2 + (x-y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.

A) 46   B) 24 *yoki* 48   **C) 30 *yoki* 42**
D) 26

1580. 2.8-2 file-» 50 - 140 - - (719349)
Agar $\sqrt{x} + \sqrt{y} = 5$ va $\sqrt{xy} = 6$ bo'lsa, $|x - y|$ ning qiymatini toping.

A) 5   B) 13   C) 3   D) 10

1581. 2.8-2 file-» 50 - 140 - - (719350)
Agar $\sqrt{x} + \sqrt{y} = 7$ va $\sqrt{xy} = 12$ bo'lsa, $|x - y|$ ning qiymatini toping.

A) 22   **B) 7**   C) 25   D) 5

1582. 2.8-2 file-» 50 - 140 - - (719351)
Agar $\sqrt{x} + \sqrt{y} = 9$ va $\sqrt{xy} = 20$ bo'lsa, $|x - y|$ ning qiymatini toping.

A) 7   B) 38   **C) 9**   D) 41

1583. 2.8-2 file-» 50 - 140 - - (719352)
Agar $\sqrt{x} + \sqrt{y} = 11$ va $\sqrt{xy} = 30$ bo'lsa, $|x - y|$ ning qiymatini toping.

A) 61   B) 9   C) 58   **D) 11**

1584. 2.8-2 file-» 50 - 140 - - (719353)
Agar $\sqrt{x} + \sqrt{y} = 13$ va $\sqrt{xy} = 42$ bo'lsa, $|x - y|$ ning qiymatini toping.

A) 13   B) 85   C) 11   D) 82

1585. 2.8-2 file-» 50 - 140 - - (719354)
Agar $\sqrt{x} + \sqrt{y} = 15$ va $\sqrt{xy} = 56$ bo'lsa, $|x - y|$ ning qiymatini toping.

A) 110   **B) 15**   C) 113   D) 13

1586. 2.8-3 file-» 12 - 1 - - (56532)
Рақамларининг йиғиндисидан 8 марта катта, рақамлари квадратларининг йиғиндиси эса 53 га тенг бўлган икки хонали соннинг квадратини топинг.

A) 5184   B) 729   C) 529   D) 6561

1587. 2.8-3 file-» 23 - 13 - - 10 (71085)
Агар $m - n = (4x + y)^2$ ва
$n - m = (4x - y - 24)^2$ бўлса, $y - x$ нинг қийматини ҳисобланг.

A) -9 B) -6 **C) -15**   D) 9

1588. 2.8-3 file-» 23 - 13 - - 10 (71099)
Агар $x^2y + xy^2 = 12$ ва $x^2y - xy^2 = 84$ бўлса, $\dfrac{y}{x}$ нинг қийматини ҳисобланг.

A) 1   B) $\dfrac{1}{4}$ **C) $-\dfrac{3}{4}$**   D) $-\dfrac{1}{2}$

1589. 2.8-3 file-» 12 - 2 - - 7 (71822)
Икки хонали сон ўзининг рақамлари йиғиндисидан 4 марта катта. Рақамлари квадратларининг йиғиндиси 80 га тенг. Шу икки хонали соннинг квадратини ҳисобланг.

A) 7056   B) 196   **C) 2304**   D) 169

1590. 2.8-3 file-» 23 - 17 - - 7 (94283)
Агар $\begin{cases} (x-2)^2 + |y - 1| = 4 \\ |x - 2| + |y - 1| = 2 \end{cases}$ бўлса, $x - y$ нинг қийматини топинг.

A) 3 ёки -1   B) 0 ёки 4   C) -2 ёки 4
D) 1 ёки 5

1591. 2.8-3 file-» 19 - 3 - - 9 (94586)
Агар $\begin{cases} x - y = 27, \\ \sqrt{x} - \sqrt{y} = 3 \end{cases}$ бўлса, $x + 2y$ нинг қийматини топинг.

A) 54   B) 72   C) 63   D) 45

1592. 2.8-3 file-» 22 - 20 - - 6 (96078)
Агар $\sqrt{3x^2 - 6x + 16} = 2x - 1$ бўлса, $x^2(4 - x)$ нинг қийматини топинг.

A) 9   B) 65   C) -65 D) 54

1593. 2.8-3 file-» 19 - 4 - - 3 (105481)
a нинг қандай қийматида фақат битта $(x;\ y)$ жуфтлик $\begin{cases} x + y = a \\ xy = 0,25 \end{cases}$ тенгламалар системасини қаноатлантиради?

A) $-1;1$ B) $\dfrac{1}{2}; -\dfrac{1}{2}$ C) -3 D) $-3; 3$

1594. 2.8-3 file-» 19 - 4 - - 3 (105483)
$x^2 + 5x - \sqrt{x^2 + 5x + 25} = 17$ тенгламанинг илдизлари кўпайтмасини топинг.

A) -24   B) 12   C) -16 D) -8

1595. 2.8-3 file-» 2 - 5 - - 5 (110074)
Икки соннинг ўрта арифметиги 16 га, квадратларининг айирмаси 192 га тенг. Шу икки сон квадратларининг йиғиндисини топинг.

A) 514   B) 520   **C) 530**   D) 544

1596. 2.8-3 file-» 2 - 42 - - 5 (131700)
$14 - \sqrt{x^2 - 3x + 6} = x^2 - 3x$ тенглама илдизларининг йиғиндисини топинг.

A) 5   B) 6   C) 7   **D) 3**

1597. 2.8-3 file-» 22 - 23 - - 6 (134301)
Агар $y - x = 2$ ва $a > 0$ бўлса, $\begin{cases} y^2 - x^2 = 6a \\ y + x = 1,5a^2 \end{cases}$ тенгламалар системасини ечинг.

A) $(5;7)$ B) $(7;9)$ C) $(4;6)$ **D) $(2;4)$**

1598. 2.8-3 file-» 19 - 8 - - 6 (141367)
$\begin{cases} x^3 + y^3 = 126 \\ x^2 y + xy^2 = 30 \end{cases}$ тенгламалар системасининг ҳақиқий ечимларидан иборат барча x ва y ларнинг йиғиндисини топинг.

A) 12   B) 2   C) 6   D) 10

1599. 2.8-3 file-» 31 - 2 - - 5 (146247)
Агар $\begin{cases} x + y - \sqrt{xy} = 13 \\ x^2 + y^2 + xy = 481 \end{cases}$ бўлса, $\sqrt{xy}$ нинг қийматини топинг.

A) 36   B) 42   **C) 12**   D) 52

1600. 2.8-3 file-» 32 - 1 - - (173871)
$(x - 2)x(x - 3)(x + 1) = 40$ тенглама ҳақиқий илдизларининг йиғиндисини топинг.

A) 5   **B) 2**   C) -1 D) -4

1601. 2.9-1 file-» 5 - 3 - - 3 (719355)
$(x + 3)(x - 2) < 0$ tengsizlikni yeching.

A) $(-\infty; 2) \cup (3; \infty)$ B) $(-\infty; -3) \cup (2; \infty)$
C) $(-\infty; -2) \cup (3; \infty)$ **D) $(-3; 2)$**

1602. 2.9-1 file-» 5 - 4 - - 2 (719356)
$(x + 2)(x - 3) < 0$ tengsizlikni yeching.

A) $(-2; 3)$ B) $(-\infty; -3) \cup (2; \infty)$
C) $(-3; -2)$ D) $(-\infty; -2) \cup (3; \infty)$

1603. 2.9-1 file-» 5 - 5 - - 2 (719357)
$(x - 1)(x + 2) < 0$ tengsizlikni yeching.

A) $(-\infty; 1) \cup (2; \infty)$ B) $(1; 2)$
C) $(-\infty; -2) \cup (1; \infty)$ **D) $(-2; 1)$**

1604. 2.9-1 file-» 22 - 2 - - 2 (719358)
$\begin{cases} 3 + 4x \geq 5 \\ 2x - 3(x - 1) \geq 1 \end{cases}$ tengsizliklar sistemasining butun sonlardan iborat yechimlari nechta?

A) 5   B) 3   C) 6   **D) 2**

1605. 2.9-1 file-» 5 - 10 - - 2 (719359)
$\dfrac{x - 2}{x + 3} \leq 0$ tengsizlikni yeching.

A) $(-1; 2]$ B) $[2; 3)$ C) $[2; 3]$
D) $(-3; 2]$

1606. 2.9-1 file-» 5 - 7 - - 2 (719360)
$\dfrac{x - 1}{x + 3} < 0$ tengsizlikni yeching.

A) $(-3; 1)$ B) $[1; 3)$ C) $(1; 3)$
D) $(-2; 1)$

1607. 2.9-1 file-» 13 - 3 - - 2 (719361)
$\dfrac{x^2 - 2x + 3}{x + 2} \geq 0$ tengsizlikni yeching.

A) $(-2; \infty)$ B) $[2; \infty)$ C) $(-\infty; 2)$
D) $(-\infty; 2]$

1608. 2.9-1 file-» 23 - 9 - - 2 (719362)
Agar $a > b$ va $ab \neq 0$ bo'lsa, quyidagi tengsizliklardan qaysi biri har doim o'rinli?

A) $\dfrac{1}{a} > \dfrac{1}{b}$ B) $a^2 > b^2$ **C) $3a < 4a - b$**
D) $2a > 3a - b$

1609. 2.9-1 file-» 5 - 11 - - 2 (719363)
$16x^2 - 8x + 3 > 0$ tengsizlikni yeching.

A) $\emptyset$ B) $[0; \infty)$ **C) $(-\infty; \infty)$**
D) $(-\infty; 0)$

1610. 2.9-1 file-» 5 - 12 - - 2 (719364)
$\sqrt{8x - 3} < -2$ tengsizlikni yeching.

A) $x < 4$ **B) $x \in \emptyset$**   C) $x > \dfrac{8}{3}$ D) $x > 4$

1611. 2.9-1 file-» 51 - 1 - - (719365)
c ning qanday qiymatlarida $x^2 - 6x + c < 0$ tengsizlikning yechimi $(2; 4)$ oraliqdan iborat bo'ladi?

A) 8   B) -6 C) -8 D) 6

1612. 2.9-1 file-» 51 - 2 - - (719366)
Agar $a < b$ bo'lsa, quyida keltirilgan tengsizliklardan qaysi biri noto'g'ri?

A) $a + 3 < b + 5$ **B) $2 - a < 1 - b$**
C) $a - 2 < b + 3$ D) $a - 2 < b + 4$

1613. 2.9-1 file-» 51 - 2 - - (719367)
Agar, $a < b$ bo'lsa, quyida keltirilganlardan qaysi biri doimo o'rinli bo'ladi?
1) $a - 3 < b - 2$; 2) $12a < 11b$;
3) $-3,3a > -3,3b$

A) $2; 3$ **B) $1; 3$**   C) $1; 2$ D) $1; 2; 3$

1614. 2.9-2 file-» 50 - 147 - - (704324)
$x + 6 < -\dfrac{4}{x + 2}$ tengsizlikni yeching.

A) $(-\infty; -4) \cup (-4; -2)$ B) $(-\infty; -2)$
C) $(-2; \infty)$ D) $(-4; -2) \cup (-2; \infty)$

1615. 2.9-2 file-» 50 - 147 - - (704325)
$x + 9 < -\dfrac{16}{x + 1}$ tengsizlikni yeching.

A) $(-5; -1) \cup (-1; \infty)$
B) $(-\infty; -5) \cup (-5; -1)$ C) $(-\infty; -1)$
D) $(-1; \infty)$

1616.   2.9-2 file-» 50 - 147 - -   (704326)

$x + 12 < -\dfrac{36}{x}$ tengsizlikni yeching.

A) $(0; \infty)$ B) $(-6; 0) \cup (0; \infty)$
C) $(-\infty; -6) \cup (-6; 0)$ D) $(-\infty; 0)$

1617.   2.9-2 file-» 50 - 147 - -   (704327)

$x + 15 < -\dfrac{64}{x - 1}$ tengsizlikni yeching.

A) $(-\infty; 1)$ B) $(1; \infty)$
C) $(-7; 1) \cup (1; \infty)$
D) $(-\infty; -7) \cup (-7; 1)$

1618.   2.9-2 file-» 50 - 147 - -   (704328)

$x + 18 < -\dfrac{100}{x - 2}$ tengsizlikni yeching.

A) $(-\infty; -8) \cup (-8; 2)$ B) $(-\infty; 2)$
C) $(2; \infty)$ D) $(-8; 2) \cup (2; \infty)$

1619.   2.9-2 file-» 50 - 147 - -   (704329)

$x + 21 < -\dfrac{144}{x - 3}$ tengsizlikni yeching.

A) $(-9; 3) \cup (3; \infty)$
B) $(-\infty; -9) \cup (-9; 3)$ C) $(-\infty; 3)$
D) $(3; \infty)$

1620.   2.9-2 file-» 50 - 147 - -   (704330)

$x + 24 < -\dfrac{196}{x - 4}$ tengsizlikni yeching.

A) $(4; \infty)$ B) $(-10; 4) \cup (4; \infty)$
C) $(-\infty; -10) \cup (-10; 4)$ D) $(-\infty; 4)$

1621.   2.9-2 file-» 50 - 147 - -   (704331)

$x + 27 < -\dfrac{256}{x - 5}$ tengsizlikni yeching.

A) $(-\infty; 5)$ B) $(5; \infty)$
C) $(-11; 5) \cup (5; \infty)$
D) $(-\infty; -11) \cup (-11; 5)$

1622.   2.9-2 file-» 50 - 147 - -   (704332)

$x + 30 < -\dfrac{324}{x - 6}$ tengsizlikni yeching.

A) $(-\infty; -12) \cup (-12; 6)$ B) $(-\infty; 6)$
C) $(6; \infty)$ D) $(-12; 6) \cup (6; \infty)$

1623.   2.9-2 file-» 50 - 147 - -   (704333)

$x + 33 < -\dfrac{400}{x - 7}$ tengsizlikni yeching.

A) $(-13; 7) \cup (7; \infty)$
B) $(-\infty; -13) \cup (-13; 7)$ C) $(-\infty; 7)$
D) $(7; \infty)$

1624.   2.9-2 file-» 50 - 147 - -   (704334)

$x > -4 - \dfrac{4}{x + 8}$ tengsizlikni yeching.

A) $(-8; -6) \cup (-6; \infty)$ B) $(-\infty; -8)$
C) $(-8; \infty)$ D) $(-\infty; -8) \cup (-8; -6)$

1625.   2.9-2 file-» 50 - 147 - -   (704335)

$x > -1 - \dfrac{16}{x + 9}$ tengsizlikni yeching.

A) $(-\infty; -9) \cup (-9; -5)$
B) $(-9; -5) \cup (-5; \infty)$ C) $(-\infty; -9)$
D) $(-9; \infty)$

1626.   2.9-2 file-» 50 - 147 - -   (704336)

$x > 2 - \dfrac{36}{x + 10}$ tengsizlikni yeching.

A) $(-10; \infty)$ B) $(-\infty; -10) \cup (-10; -4)$
C) $(-10; -4) \cup (-4; \infty)$ D) $(-\infty; -10)$

1627.   2.9-2 file-» 50 - 147 - -   (704337)

$x > 5 - \dfrac{64}{x + 11}$ tengsizlikni yeching.

A) $(-\infty; -11)$ B) $(-11; \infty)$
C) $(-\infty; -11) \cup (-11; -3)$
D) $(-11; -3) \cup (-3; \infty)$

1628.   2.9-2 file-» 50 - 147 - -   (704338)

$x > 8 - \dfrac{100}{x + 12}$ tengsizlikni yeching.

A) $(-12; -2) \cup (-2; \infty)$ B) $(-\infty; -12)$
C) $(-12; \infty)$ D) $(-\infty; -12) \cup (-12; -2)$

1629.   2.9-2 file-» 50 - 147 - -   (704339)

$x > 11 - \dfrac{144}{x + 13}$ tengsizlikni yeching.

A) $(-\infty; -13) \cup (-13; -1)$
B) $(-13; -1) \cup (-1; \infty)$ C) $(-\infty; -13)$
D) $(-13; \infty)$

1630.   2.9-2 file-» 50 - 147 - -   (704340)

$x > 14 - \dfrac{196}{x + 14}$ tengsizlikni yeching.

A) $(-14; \infty)$ B) $(-\infty; -14) \cup (-14; 0)$
C) $(-14; 0) \cup (0; \infty)$ D) $(-\infty; -14)$

1631.   2.9-2 file-» 50 - 147 - -   (704341)

$x > 17 - \dfrac{256}{x + 15}$ tengsizlikni yeching.

A) $(-\infty; -15)$ B) $(-15; \infty)$
C) $(-\infty; -15) \cup (-15; 1)$
D) $(-15; 1) \cup (1; \infty)$

1632.   2.9-2 file-» 50 - 147 - -   (704342)

$x > 20 - \dfrac{324}{x + 16}$ tengsizlikni yeching.

A) $(-16; 2) \cup (2; \infty)$ B) $(-\infty; -16)$
C) $(-16; \infty)$ D) $(-\infty; -16) \cup (-16; 2)$

1633.   2.9-2 file-» 50 - 147 - -   (704343)

$x > 23 - \dfrac{400}{x + 17}$ tengsizlikni yeching.

A) $(-\infty; -17) \cup (-17; 3)$
B) $(-17; 3) \cup (3; \infty)$ C) $(-\infty; -17)$
D) $(-17; \infty)$

1634.   2.9-2 file-» 51 - 1 - -   (719368)

$\sqrt{x^2 - 6x + 8} + \sqrt{3} > 0$ tengsizlikni yeching.

A) $(-\infty; \ 1) \cup (5; \ \infty)$ B) $(-\infty; \ 2) \cup (4; \ \infty)$

C) $(-\infty; \ 2] \cup [4; \ \infty)$ D) $(-\infty; \ 1] \cup [5; \ \infty)$

1635.   2.9-2 file-» 51 - 1 - -   (719369)

$(x + 2)\sqrt{9 - x^2} < 0$ tengsizlikni yeching.

A) $(-\infty; \ -2)$ **B)** $(-3; \ -2)$ C) $(-\infty; \ -3)$

D) $(-3; \ 3)$

1636.   2.9-2 file-» 51 - 1 - -   (719370)

$\dfrac{3x}{3x - 5} \le \dfrac{9}{7 - x}$ tengsizlikni yeching.

A) $\left[-5; \ \dfrac{5}{3}\right) \cup \left(\dfrac{5}{3}; \ 3\right]$ B) $\left(\dfrac{5}{3}; \ 3\right) \cup (3; \ 7)$

C) $\left(-5; \ \dfrac{5}{3}\right) \cup \left(\dfrac{5}{3}; \ 7\right)$ **D)** $\left[-5; \ \dfrac{5}{3}\right) \cup [3; \ 7)$

1637.   2.9-2 file-» 51 - 1 - -   (719371)

$(x - 5)(x - 9)^2(x - 11) < 0$ tengsizlikni yeching.

A) $(-\infty; \ 9)$ B) $(5; \ \infty)$

C) $(5; \ 9) \cup (9; \ 11)$ D) $(5; \ 11)$

1638.   2.9-2 file-» 51 - 1 - -   (719372)

x ning qanday eng katta butun qiymatida

$\dfrac{\dfrac{1}{2}x^2 + 3}{x^2 - 9x + 14}$ ifoda manfiy qiymat qabul qiladi?

A) 4   B) 8   C) 5   **D)** 6

1639.   2.9-2 file-» 51 - 1 - -   (719373)

$\dfrac{\sqrt{x} - 1}{(x + 2)(x - 5)} < 0$ tengsizlikni yeching.

A) $(-2; \ 5)$ **B)** $(1; \ 5)$ C) $(5; \ \infty)$

D) $(1; \ \infty)$

1640.   2.9-2 file-» 51 - 1 - -   (719374)

$|3x - 1| \le 5$ tengsizlikni yeching.

A) $(-\infty; \ 2]$ B) $\left[-\dfrac{4}{3}; \ \infty\right)$ **C)** $\left[-\dfrac{4}{3}; \ 2\right]$

D) $\left[\dfrac{4}{3}; \ 2\right]$

1641.   2.9-2 file-» 51 - 1 - -   (719375)

$\dfrac{4x + 3}{4 - 4x} \le 2$ tengsizlikni yeching.

A) $\left(-\infty; \ \dfrac{5}{12}\right] \cup (1; \ \infty)$

B) $\left(\dfrac{5}{12}; \ 1\right) \cup (1; \ \infty)$ C) $\left[\dfrac{5}{12}; \infty\right)$

D) $\left(-\infty; \ \dfrac{5}{12}\right] \cup [1; \ \infty)$

1642.   2.9-2 file-» 51 - 2 - -   (719376)

$\dfrac{1}{3x + 4} \ge \dfrac{1}{3x - 2}$ tengsizlikni yeching.

A) $\left(-\dfrac{4}{3}; \ \dfrac{2}{3}\right)$ B) $\left(-\infty; \ -\dfrac{4}{3}\right)$

C) $\left(\dfrac{2}{3}; \ \infty\right)$ D) $\left(-\dfrac{3}{4}; \ \dfrac{2}{3}\right)$

1643.   2.9-2 file-» 51 - 2 - -   (719377)

$\sqrt{x^2 - 6x + 8} > -1$ tengsizlikni yeching.

A) $[2; \ 4]$ **B)** $(-\infty; \ 2] \cup [4; \ \infty)$ C) $[1; \ 5]$

D) $(-\infty; \ 1] \cup [5; \ \infty)$

1644.   2.9-2 file-» 51 - 2 - -   (719378)

$\dfrac{1}{2} - 3x < \dfrac{2}{3}x - 5$ tengsizlikning eng kichik butun yechimini toping.

A) -1 B) $\emptyset$ C) 1   **D)** 2

1645.   2.9-2 file-» 51 - 2 - -   (719379)

$\dfrac{2x + 7}{3x - 7} \le 5$ tengsizlikni yeching.

A) $\left[\dfrac{42}{13}; \infty\right)$ B) $\left(\dfrac{7}{3}; \dfrac{42}{13}\right]$ C) $\left(-\infty; \dfrac{42}{13}\right]$

D) $\left(-\infty; \dfrac{7}{3}\right) \cup \left[\dfrac{42}{13}; \infty\right)$

1646.   2.9-2 file-» - 154 - -   (719381)

$x + 8 < -\dfrac{16}{x}$ tengsizlikni yeching.

A) $(-4; \ 0) \cup (0; \ \infty)$

B) $(-\infty; \ -4) \cup (-4; \ 0)$ C) $(-\infty; \ 0)$

D) $(0; \ \infty)$

1647.   2.9-2 file-» - 154 - -   (719382)

$x + 11 < -\dfrac{36}{x - 1}$ tengsizlikni yeching.

A) $(1; \ \infty)$ B) $(-5; \ 1) \cup (1; \ \infty)$

C) $(-\infty; \ -5) \cup (-5; \ 1)$ D) $(-\infty; \ 1)$

1648.   2.9-2 file-» - 154 - -   (719383)

$x + 14 < -\dfrac{64}{x - 2}$ tengsizlikni yeching.

A) $(-\infty; \ 2)$ B) $(2; \ \infty)$

C) $(-6; \ 2) \cup (2; \ \infty)$

D) $(-\infty; \ -6) \cup (-6; \ 2)$

1649.   2.9-2 file-» - 154 - -   (719384)

$x + 17 < -\dfrac{100}{x - 3}$ tengsizlikni yeching.

A) $(-\infty; \ -7) \cup (-7; \ 3)$ B) $(-\infty; \ 3)$

C) $(3; \ \infty)$ D) $(-7; \ 3) \cup (3; \ \infty)$

1650.   2.9-2 file-» - 154 - -   (719385)

$x + 20 < -\dfrac{144}{x - 4}$ tengsizlikni yeching.

A) $(-8; \ 4) \cup (4; \ \infty)$

B) $(-\infty; \ -8) \cup (-8; \ 4)$ C) $(-\infty; \ 4)$

D) $(4; \ \infty)$

1651.   2.9-2 file-» - 154 - -   (719386)

$x + 23 < -\dfrac{196}{x - 5}$ tengsizlikni yeching.

A) $(5; \infty)$ B) $(-9; 5) \cup (5; \infty)$
C) $(-\infty; -9) \cup (-9; 5)$ D) $(-\infty; -5)$

1652.   2.9-2 file-» - 154 - -   (719387)

$x + 26 < -\dfrac{256}{x - 6}$ tengsizlikni yeching.

A) $(-\infty; 6)$ B) $(6; \infty)$
C) $(-10; 6) \cup (6; \infty)$
D) $(-\infty; -10) \cup (-10; 6)$

1653.   2.9-2 file-» - 154 - -   (719388)

$x + 29 < -\dfrac{324}{x - 7}$ tengsizlikni yeching.

A) $(-\infty; -11) \cup (-11; 7)$ B) $(-\infty; 7)$
C) $(7; \infty)$ D) $(-11; 7) \cup (7; \infty)$

1654.   2.9-2 file-» - 154 - -   (719389)

$x + 32 < -\dfrac{400}{x - 8}$ tengsizlikni yeching.

A) $(-12; 8) \cup (8; \infty)$
B) $(-\infty; -12) \cup (-12; 8)$ C) $(-\infty; 8)$
D) $(8; \infty)$

1655.   2.9-2 file-» - 154 - -   (719390)

$x > -7 - \dfrac{4}{x + 11}$ tengsizlikni yeching.

A) $(-11; -9) \cup (-9; \infty)$ B) $(-\infty; -11)$
C) $(-11; \infty)$ D) $(-\infty; -11) \cup (-11; -9)$

1656.   2.9-2 file-» - 154 - -   (719391)

$x > -4 - \dfrac{16}{x + 12}$ tengsizlikni yeching.

A) $(-\infty; -12) \cup (-12; -8)$
B) $(-12; -8) \cup (-8; \infty)$ C) $(-\infty; -12)$
D) $(-12; \infty)$

1657.   2.9-2 file-» - 154 - -   (719392)

$x > -1 - \dfrac{36}{x + 13}$ tengsizlikni yeching.

A) $(-13; \infty)$ B) $(-\infty; -13) \cup (-13; -7)$
C) $(-13; -7) \cup (-7; \infty)$ D) $(-\infty; -13)$

1658.   2.9-2 file-» - 154 - -   (719393)

$x > 2 - \dfrac{64}{x + 14}$ tengsizlikni yeching.

A) $(-\infty; -14)$ B) $(-14; \infty)$
C) $(-\infty; -14) \cup (-14; -6)$
D) $(-14; -6) \cup (-6; \infty)$

1659.   2.9-2 file-» - 154 - -   (719394)

$x > 5 - \dfrac{100}{x + 15}$ tengsizlikni yeching.

A) $(-15; -5) \cup (-5; \infty)$ B) $(-\infty; -15)$
C) $(-15; \infty)$ D) $(-\infty; -15) \cup (-15; -5)$

1660.   2.9-2 file-» - 154 - -   (719395)

$x > 8 - \dfrac{144}{x + 16}$ tengsizlikni yeching.

A) $(-\infty; -16) \cup (-16; -4)$
B) $(-16; -4) \cup (-4; \infty)$ C) $(-\infty; -16)$
D) $(-16; \infty)$

1661.   2.9-2 file-» - 154 - -   (719396)

$x > 11 - \dfrac{196}{x + 17}$ tengsizlikni yeching.

A) $(-17; \infty)$ B) $(-\infty; -17) \cup (-17; -3)$
C) $(-17; -3) \cup (-3; \infty)$ D) $(-\infty; -17)$

1662.   2.9-2 file-» - 154 - -   (719397)

$x > 14 - \dfrac{256}{x + 18}$ tengsizlikni yeching.

A) $(-\infty; -18)$ B) $(-18; \infty)$
C) $(-\infty; -18) \cup (-18; -2)$
D) $(-18; -2) \cup (-2; \infty)$

1663.   2.9-2 file-» - 154 - -   (719398)

$x > 17 - \dfrac{324}{x + 19}$ tengsizlikni yeching.

A) $(-19; -1) \cup (-1; \infty)$ B) $(-\infty; -19)$
C) $(-19; \infty)$ D) $(-\infty; -19) \cup (-19; -1)$

1664.   2.9-2 file-» - 154 - -   (719399)

$x > 20 - \dfrac{400}{x + 20}$ tengsizlikni yeching.

A) $(-\infty; -20) \cup (-20; 0)$
B) $(-20; 0) \cup (0; \infty)$ C) $(-\infty; -20)$
D) $(-20; \infty)$

1665.   2.9-3 file-» 22 - 11 - -   (36187)
$3x^2 \le 16x - 5$ тенгсизликнинг бутун ечимлари кўпайтмасини топинг.

A) 12   **B) 120**   C) 30   D) 24

1666.   2.9-3 file-» 22 - 12 - -   (36235)
$|4 - x| < 5$ тенгсизликнинг бутун сонлардан иборат ечимлари нечта?

A) 10   B) 5   **C) 9**   D) 11

1667.   2.9-3 file-» 22 - 12 - -   (36247)
$4x^2 - 16x \le -7$ тенгсизликнинг бутун сонлардан иборат ечимлари йиғиндисини топинг.

A) 3   B) 4   C) 5   **D) 6**

1668.   2.9-3 file-» 22 - 12 - -   (36261)
$(x - 1) \cdot \sqrt{8 - 2x - x^2} \le 0$ тенгсизликнинг ечимини кўрсатинг.

A) $[-4; 1] \cup \{2\}$ B) $[-2; 3]$
C) $[-2; 1] \cup \{3\}$ D) $[2; \infty)$

1669.　　2.9-3 file-» 28 - 1 - -　　(36620)
Агар $a < 0 < b$ ва $|a| < |b|$ бўлса,
$\dfrac{1}{a^3 + b^3}$, $\dfrac{1}{a^4 + b^3}$ ва $\dfrac{1}{a^3}$ ларни
таққосланг.

A) $\dfrac{1}{a^3} < \dfrac{1}{a^3 + b^3} < \dfrac{1}{a^4 + b^3}$

B) $\dfrac{1}{a^4 + b^3} > \dfrac{1}{a^3} > \dfrac{1}{a^3 + b^3}$

C) $\dfrac{1}{a^4 + b^3} > \dfrac{1}{a^3 + b^3} > \dfrac{1}{a^3}$

D) $\dfrac{1}{a^3} < \dfrac{1}{a^4 + b^3} < \dfrac{1}{a^3 + b^3}$

1670.　　2.9-3 file-» 28 - 2 - -　　(36678)
$a > c > b > 0$ бўлса, $\dfrac{1}{a}$, $\dfrac{1}{a + b}$ ва $\dfrac{1}{a + c}$ ларни
таққосланг.

A) $\dfrac{1}{a} < \dfrac{1}{a + c} < \dfrac{1}{a + b}$　　B) $\dfrac{1}{a} < \dfrac{1}{a + b} < \dfrac{1}{a + c}$

C) $\dfrac{1}{a + b} < \dfrac{1}{a + c} < \dfrac{1}{a}$　　**D)** $\dfrac{1}{a + c} < \dfrac{1}{a + b} < \dfrac{1}{a}$

1671.　　2.9-3 file-» 22 - 1 - -　　(36736)
$| 3 - x | \le 4$ тенгсизликнинг бутун сонлардан
иборат ечимлари нечта?

A) 4　　**B) 9**　　C) 8　　D) 7

1672.　　2.9-3 file-» 22 - 1 - -　　(36748)
$x^2 \le 2x + 15$ тенгсизликнинг бутун сонлардан
иборат ечимлари йиғиндисини топинг.

A) 4　　**B) 9**　　C) 7　　D) 5

1673.　　2.9-3 file-» 22 - 1 - -　　(36762)
Қуйидагилардан қайси бири
$(x - 4) \cdot \sqrt{x^2 + x - 2} \le 0$ тенгсизликнинг
ечими?

A) $(-\infty; 4]$　　**B) $(-\infty; -2] \cup [1; 4]$**　　C) $[-2; 4]$
D) $[-1; 2] \cup [4; \infty)$

1674.　　2.9-3 file-» 6 - 7 - -　　(56414)
$\dfrac{(-x^2 + x - 1)(x^2 - 3x + 2)}{x^2 - 7x + 12} \ge 0$ тенгсизликнинг
бутун сонлардан иборат ечимлари нечта?

A) 4　　B) 1　　**C) 2**　　D) 3

1675.　　2.9-3 file-» 6 - 7 - -　　(56420)
$2|x + 3| \le |x - 6|$ тенгсизликнинг бутун
сонлардан иборат ечимлари нечта?

A) 13　　B) 5　　C) 6　　D) 10

1676.　　2.9-3 file-» 6 - 8 - -　　(56474)
$\dfrac{(x^2 + x + 1)(x^2 + 5x + 4)}{x^2 + 5x + 6} \le 0$ тенгсизликнинг
бутун сонлардан иборат ечимлари нечта?

A) 5　　B) 4　　C) 3　　**D) 2**

1677.　　2.9-3 file-» 6 - 8 - -　　(56480)
$2 | x - 3 | \le | x + 3 |$ тенгсизликнинг бутун
сонлардан иборат ечимлари нечта?

A) 6　　B) 5　　**C) 9**　　D) 0

1678.　　2.9-3 file-» 16 - 1 - -　　(56825)
$\sqrt{x + 6} > x + 4$ тенгсизликни
қаноатлантирувчи бутун сонлар нечта?

A) 3　　B) 2　　**C) 4**　　D) 1

1679.　　2.9-3 file-» 16 - 2 - -　　(56875)
$\sqrt{6x - x^2 - 4} > x - 4$ тенгсизликни
қаноатлантирувчи бутун сонлар нечта?

A) 5　　B) 3　　**C) 4**　　D) 2

1680.　　2.9-3 file-» 22 - 11 - -　　(315315)
$3x^2 \le 16x - 5$ tengsizlikning butun yechimlari
ko'paytmasini toping.

A) 12　　**B) 120**　　C) 30　　D) 24

1681.　　2.9-3 file-» 22 - 12 - -　　(315316)
$|4 - x| < 5$ tengsizlikning butun sonlardan iborat
yechimlari nechta?

A) 10　　B) 5　　**C) 9**　　D) 11

1682.　　2.9-3 file-» 22 - 12 - -　　(315317)
$4x^2 - 16x \le -7$ tengsizlikning butun sonlardan
iborat yechimlari yig'indisini toping.

A) 3　　B) 4　　C) 5　　**D) 6**

1683.　　2.9-3 file-» 22 - 12 - -　　(315318)
$(x - 1) \cdot \sqrt{8 - 2x - x^2} \le 0$
tengsizlikning yechimini ko'rsating.

A) $[-4; 1] \cup \{2\}$　　B) $[-2; 3]$
C) $[-2; 1] \cup \{3\}$　　D) $[2; \infty)$

1684.　　2.9-3 file-» 28 - 1 - -　　(315319)
Agar $a < 0 < b$ va $|a| < |b|$ bo'lsa,
$\dfrac{1}{a^3 + b^3}$, $\dfrac{1}{a^4 + b^3}$ va $\dfrac{1}{a^3}$ larni
taqqoslang.

A) $\dfrac{1}{a^3} < \dfrac{1}{a^3 + b^3} < \dfrac{1}{a^4 + b^3}$

B) $\dfrac{1}{a^4 + b^3} > \dfrac{1}{a^3} > \dfrac{1}{a^3 + b^3}$

C) $\dfrac{1}{a^4 + b^3} > \dfrac{1}{a^3 + b^3} > \dfrac{1}{a^3}$

D) $\dfrac{1}{a^3} < \dfrac{1}{a^4 + b^3} < \dfrac{1}{a^3 + b^3}$

1685.   2.9-3 file-» 28 - 2 - -   (315320)

$a > c > b > 0$ bo'lsa, $\dfrac{1}{a}$, $\dfrac{1}{a+b}$ va $\dfrac{1}{a+c}$ larni

taqqoslang.

A) $\dfrac{1}{a} < \dfrac{1}{a+c} < \dfrac{1}{a+b}$ B) $\dfrac{1}{a} < \dfrac{1}{a+b} < \dfrac{1}{a+c}$

C) $\dfrac{1}{a+b} < \dfrac{1}{a+c} < \dfrac{1}{a}$

D) $\dfrac{1}{a+c} < \dfrac{1}{a+b} < \dfrac{1}{a}$

1686.   2.9-3 file-» 22 - 1 - -   (315321)

$\mid 3 - x \mid \le 4$ tengsizlikning butun sonlardan iborat yechimlari nechta?

A) 4   **B) 9**   C) 8   D) 7

1687.   2.9-3 file-» 22 - 1 - -   (315322)

$x^2 \le 2x + 15$ tengsizlikning butun sonlardan iborat yechimlari yig'indisini toping.

A) 4   **B) 9**   C) 7   D) 5

1688.   2.9-3 file-» 22 - 1 - -   (315323)

Quyidagilardan qaysi biri
$(x - 4) \cdot \sqrt{x^2 + x - 2} \le 0$ tengsizlikning yechimi?

A) $(-\infty; 4]$ **B)** $(-\infty; -2] \cup [1; 4]$
C) $[-2; 4]$ D) $[-1; 2] \cup [4; \infty)$

1689.   2.9-3 file-» 6 - 7 - -   (315324)

$\dfrac{(-x^2 + x - 1)(x^2 - 3x + 2)}{x^2 - 7x + 12} \ge 0$ tengsizlikning
butun sonlardan iborat yechimlari nechta?

A) 4   B) 1   **C) 2**   D) 3

1690.   2.9-3 file-» 6 - 7 - -   (315325)

$2|x + 3| \le |x - 6|$ tengsizlikning butun sonlardan iborat yechimlari nechta?

A) 13   B) 5   C) 6   D) 10

1691.   2.9-3 file-» 6 - 8 - -   (315326)

$\dfrac{(x^2 + x + 1)(x^2 + 5x + 4)}{x^2 + 5x + 6} \le 0$ tengsizlikning
butun sonlardan iborat yechimlari nechta?

A) 5   B) 4   C) 3   **D) 2**

1692.   2.9-3 file-» 6 - 8 - -   (315327)

$2 \mid x - 3 \mid \le \mid x + 3 \mid$ tengsizlikning butun sonlardan iborat yechimlari nechta?

A) 6   B) 5   **C) 9**   D) 0

1693.   2.9-3 file-» 16 - 1 - -   (315328)

$\sqrt{x + 6} > x + 4$ tengsizlikni qanoatlantiruvchi butun sonlar nechta?

A) 3   B) 2   **C) 4**   D) 1

1694.   2.9-3 file-» 16 - 2 - -   (315329)

$\sqrt{6x - x^2 - 4} > x - 4$ tengsizlikni qanoatlantiruvchi butun sonlar nechta?

A) 5   B) 3   **C) 4**   D) 2

1695.   2.9-3 file-» 50 - 107 - -   (401861)

Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
1) $x^3 < (x + 1)(x^2 - x + 1)$
2) $x^3 < (x - 1)(x^2 + x + 1)$
3) $(x + 7)(x + 1) < (x + 6)(x + 2)$
4) $4x^2 + 9 > 12x$

A) 1; 3   B) 2; 4   C) 1; 4   D) 2; 3

1696.   2.9-3 file-» 50 - 107 - -   (401862)

Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
1) $(x + 3)(x + 5) < (x + 2)(x + 6)$
2) $(3x - 2)(x + 2) < (1 + 2x)^2$
3) $x^2 + 16 > 8x$
4) $(x - 6)(x - 3) < (x - 5)(x - 4)$

A) 1; 4   **B) 2; 4**   C) 1; 3   D) 2; 3

1697.   2.9-3 file-» 50 - 107 - -   (401863)

Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
1) $(x - 7)(x - 4) < (x - 6)(x - 5)$
2) $(x + 2)(x + 4) > (x + 1)(x + 5)$
3) $(x - 8)(x - 4) < (x - 9)(x - 3)$
4) $4x^2 + 9 > -12x$

A) 1; 3   B) 2; 4   **C) 1; 2**   D) 3; 4

1698.   2.9-3 file-» 50 - 107 - -   (401864)

Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
1) $1 + (3x - 1)^2 < (1 - 2x)(1 - 4x)$
2) $1 + (3x + 1)^2 > (1 + 2x)(1 + 4x)$
3) $(x - 3)(x - 4) > (x - 2)(x - 5)$
4) $x^2 + 16 > -8x$

A) 2; 4   B) 1; 3   C) 1; 4   **D) 2; 3**

1699.   2.9-3 file-» 50 - 107 - -   (401865)

Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
1) $(x - 5)(x - 6) > (x - 3)(x - 8)$
2) $(x - 7)(x + 2) < (x + 3)(x - 8)$
3) $9x^2 + 16 > 24$
4) $(x + 9)(x - 3) > (x + 10)(x - 4)$

A) 1; 4   B) 2; 3   C) 1; 3   D) 2; 4

1700.   2.9-3 file-» 50 - 107 - -   (401866)

Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
1) $(x + 6)(x + 3) > (x + 5)(x + 4)$
2) $4x^2 + 9 > 12x$
3) $(x + 9)(x - 3) > (x + 10)(x - 4)$
4) $x^3 < (x + 1)(x^2 - x + 1)$

A) 1; 4   **B) 3; 4**   C) 1; 2   D) 2; 3

1701. 2.9-3 file-» 50 - 107 - - (401867)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
1) $(x+7)(x+1) < (x+6)(x+2)$
2) $(x+3)(x-7) > (x-5)(x+1)$
3) $(3x-2)(x+2) < (1+2x)^2$
4) $x^2+16 > 8x$

A) $2;3$ B) $1;4$ **C) $1;3$**   D) $2;4$

1702. 2.9-3 file-» 50 - 107 - - (401868)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
1) $(x-6)(x-2) > (x-5)(x-3)$
2) $(x-6)(x-3) < (x-5)(x-4)$
3) $4x^2+9 > -12x$
4) $(x-7)(x-4) < (x-6)(x-5)$

A) $1;2$ B) $3;4$ C) $1;3$ **D) $2;4$**

1703. 2.9-3 file-» 50 - 107 - - (401869)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
1) $(x+2)(x+4) > (x+1)(x+5)$
2) $1+(3x+1)^2 > (1+2x)(1+4x)$
3) $(x+11)(x-5) > (x+8)(x-2)$
4) $x^2-16 > -8x$

A) $1;2$ B) $2;3$ C) $3;4$ D) $1;4$

1704. 2.9-3 file-» 50 - 107 - - (401870)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
1) $(x-12)(x+4) > (x-11)(x+3)$
2) $(x-3)(x-4) > (x-2)(x-5)$
3) $(x-5)(x-6) > (x-3)(x-8)$
4) $9x^2+16 > 24x$

A) $1;3$ **B) $2;3$**   C) $2;4$ D) $1;4$

1705. 2.9-3 file-» 50 - 107 - - (401871)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
1) $(x+3)(x+5) < (x+2)(x+6)$
2) $4x^2+9 > 12x$
3) $(x+9)(x-3) > (x+10)(x-4)$
4) $(x+7)(x+1) < (x+6)(x+2)$

A) $1;4$ B) $2;3$ **C) $3;4$**   D) $1;2$

1706. 2.9-3 file-» 50 - 107 - - (401872)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
1) $x^3 < (x+1)(x^2-x+1)$
2) $(x-8)(x-4) < (x-9)(x-3)$
3) $(3x-2)(x+2) < (1+2x)^2$
4) $x^2+16 > 8x$

A) $2;4$ B) $2;3$ C) $1;4$ **D) $1;3$**

1707. 2.9-3 file-» 50 - 107 - - (401873)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
1) $1+(3x-1)^2 < (1-2x)(1-4x)$
2) $(x-6)(x-3) < (x-5)(x-4)$
3) $4x^2+9 > -12x$
4) $(x-7)(x-4) < (x-6)(x-5)$

A) $2;4$ B) $1;4$ C) $1;3$ D) $2;3$

1708. 2.9-3 file-» 50 - 107 - - (401874)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
1) $(x+2)(x+4) > (x+1)(x+5)$
2) $(x-7)(x+2) < (x+3)(x-8)$
3) $x^2+16 > -8x$
4) $1+(3x+1)^2 > (1+2x)(1+4x)$

A) $2;4$ **B) $1;4$**   C) $2;3$ D) $1;3$

1709. 2.9-3 file-» 50 - 107 - - (401875)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
1) $(x+6)(x+3) > (x+5)(x+4)$
2) $(x-3)(x-4) > (x-2)(x-5)$
3) $9x^2+16 > 24x$
4) $(x-5)(x-6) > (x-3)(x-8)$

A) $1;4$ B) $2;3$ **C) $2;4$**   D) $1;3$

1710. 2.9-3 file-» 50 - 107 - - (401876)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
1) $x^3 < (x-1)(x^2+x+1)$
2) $x^3 < (x+1)(x^2-x+1)$
3) $(x+3)(x+5) < (x+2)(x+6)$
4) $4x^2+10 > 12x$

A) $2;3$ B) $1;4$ C) $2;4$ **D) $1;3$**

1711. 2.9-3 file-» 50 - 107 - - (401877)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
1) $(x+7)(x+1) < (x+6)(x+2)$
2) $(x-8)(x-4) < (x-9)(x-3)$
3) $x^2+17 > 8x$
4) $1+(3x-1)^2 < (1-2x)(1-4x)$

A) $2;4$ B) $1;4$ C) $2;3$ D) $1;3$

1712. 2.9-3 file-» 50 - 107 - - (401878)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
1) $(x-7)(x+2) < (x+3)(x-8)$
2) $(x+6)(x+3) > (x+5)(x+4)$
3) $(3x-2)(x+2) < (1+2x)^2$
4) $4x^2+10 > -12x$

A) $1;3$ **B) $1;2$**   C) $3;4$ D) $2;4$

1713.   2.9-3 file-» 50 - 107 - -   (401879)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
1) $(x-6)(x-3) < (x-5)(x-4)$
2) $(x+3)(x-7) > (x-5)(x+1)$
3) $(x-6)(x-2) > (x-5)(x-3)$
4) $x^2 + 17 > -8x$
A) *1; 3*   B) *2; 4*   **C) *2; 3***   D) *1; 4*

1714.   2.9-3 file-» 50 - 107 - -   (401880)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
1) $(x+11)(x-5) > (x+8)(x-2)$
2) $(x-7)(x-4) < (x-6)(x-5)$
3) $9x^2 + 17 > 24x$
4) $(x-12)(x+4) > (x-11)(x+3)$
A) *2; 4*   B) *1; 3*   C) *3; 4*   **D) *1; 4***

1715.   2.9-3 file-» 50 - 107 - -   (401881)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
1) $(x+2)(x+4) > (x+1)(x+5)$
2) $4x^2 + 10 > 12x$
3) $(x-12)(x+4) > (x-11)(x+3)$
4) $x^3 < (x-1)(x^2+x+1)$
A) *3; 4*   B) *2; 4*   C) *1; 2*   D) *1; 3*

1716.   2.9-3 file-» 50 - 107 - -   (401882)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
1) $(x+3)(x+5) < (x+2)(x+6)$
2) $1+(3x+1)^2 > (1+2x)(1+4x)$
3) $(x-8)(x-4) < (x-9)(x-3)$
4) $x^2 + 17 > 8x$
A) *2; 3*   **B) *1; 3***   C) *1; 4*   D) *2; 4*

1717.   2.9-3 file-» 50 - 107 - -   (401883)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
1) $(x-3)(x-4) > (x-2)(x-5)$
2) $1+(3x-1)^2 < (1-2x)(1-4x)$
3) $4x^2 + 10 > -12x$
4) $(x-7)(x+2) < (x+3)(x-8)$
A) *1; 4*   B) *2; 3*   **C) *2; 4***   D) *1; 3*

1718.   2.9-3 file-» 50 - 107 - -   (401884)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
1) $(x+6)(x+3) > (x+5)(x+4)$
2) $(x+3)(x-7) > (x-5)(x+1)$
3) $(x-5)(x-6) > (x-3)(x-8)$
4) $x^2 + 17 > -8x$
A) *3; 4*   B) *2; 4*   C) *1; 3*   **D) *1; 2***

1719.   2.9-3 file-» 50 - 107 - -   (401885)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
1) $(x+9)(x-3) > (x+10)(x-4)$
2) $(x-6)(x-2) > (x-5)(x-3)$
3) $(x+11)(x-5) > (x+8)(x-2)$
4) $9x^2 + 17 > 24x$
A) *2; 3*   B) *1; 2*   C) *3; 4*   D) *1; 4*

1720.   2.9-3 file-» 50 - 107 - -   (401886)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
1) $(x+7)(x+1) < (x+6)(x+2)$
2) $4x^2 + 10 > 12x$
3) $(x-12)(x+4) > (x-11)(x+3)$
4) $(x+3)(x+5) < (x+2)(x+6)$
A) *1; 3*   **B) *3; 4***   C) *2; 4*   D) *1; 2*

1721.   2.9-3 file-» 50 - 107 - -   (401887)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
1) $x^3 < (x-1)(x^2+x+1)$
2) $(3x-2)(x+2) < (1+2x)^2$
3) $(x-8)(x-4) < (x-9)(x-3)$
4) $x^2 + 17 > 8x$
A) *1; 2*   B) *3; 4*   **C) *1; 3***   D) *2; 4*

1722.   2.9-3 file-» 50 - 107 - -   (401888)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
1) $(x-6)(x-3) < (x-5)(x-4)$
2) $1+(3x-1)^2 < (1-2x)(1-4x)$
3) $4x^2 + 10 > -12x$
4) $(x-7)(x+2) < (x+3)(x-8)$
A) *1; 3*   B) *3; 4*   C) *1; 2*   **D) *2; 4***

1723.   2.9-3 file-» 50 - 107 - -   (401889)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
1) $(x+6)(x+3) > (x+5)(x+4)$
2) $(x-7)(x-4) < (x-6)(x-5)$
3) $x^2 + 17 > -8x$
4) $(x+3)(x-7) > (x-5)(x+1)$
A) *1; 4*   B) *2; 4*   C) *1; 3*   D) *2; 3*

1724.   2.9-3 file-» 50 - 107 - -   (401890)
Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
1) $(x+2)(x+4) > (x+1)(x+5)$
2) $(x-6)(x-2) > (x-5)(x-3)$
3) $9x^2 + 17 > 24x$
4) $(x+11)(x-5) > (x+8)(x-2)$
A) *1; 4*   **B) *2; 4***   C) *2; 3*   D) *1; 3*

1725. 2.9-3 file-» 16 - 3 - - 5 (401891)
Agar $a, b \in N$, $a > 10$ va $b > 16$ bo'lsa,
quyidagilardan qaysi biri har doim o'rinli bo'ladi?

A) $a - b < 6$ **B)** $a + b \geq 28$ C) $\dfrac{b - 2a}{a} < 0$

D) $\dfrac{b}{a} > 1,5$

1726. 2.9-3 file-» 16 - 3 - - 5 (401892)
Agar x va y sonlari uchun $x \cdot y = 20$ va
$0 < x < 0,8$ munosabat o'rinli bo'lsa, quyidagi
tengsizliklardan qaysi biri doimo o'rinli bo'ladi?

A) $\dfrac{y}{x} < 20$

B) $x + y < 20$

C) $y < 16$

D) $y > 25$

1727. 2.9-3 file-» 16 - 3 - - 5 (401893)
Agar $2 < a < 3$ va $-3 < b < -2$ bo'lsa,
quyidagilardan qaysi biri har doim o'rinli bo'ladi?

A) $a^2 b^2 - 50 < 0$ B) $\dfrac{(a+b)^2 - 2ab}{a - b} < 0$

C) $b^3 a^2 - 5 < 0$ D) $a^3 b^2 - 2 < 0$

1728. 2.9-3 file-» 16 - 4 - - 11 (401894)
Agar $x > y$; $t = \dfrac{1}{z}$ bo'lsa, quyidagilardan qaysi
biri doimo o'rinli bo'ladi?

A) $t + \dfrac{1}{x} = z + \dfrac{1}{y}$ B) $x + \dfrac{1}{t} < y + z$

C) $x + \dfrac{1}{t} > y + z$ D) $x + \dfrac{1}{z} > y$

1729. 2.9-3 file-» 16 - 4 - - 11 (401895)
Agar $3 \leq x \leq 6$ va $15 \leq y \leq 60$ bo'lsa, $\dfrac{y}{x}$ ning
qiymati qaysi kesmaga tegishli?
A) $[5; 10]$ B) $[0,5; 20]$ C) $[5; 20]$
D) $[2,5; 20]$

1730. 2.9-3 file-» 30 - 1 - - 12 (401896)
$10x^2 + 20x - 30 < 0$ tengsizlikning yechimlari
to'plamida $q = 10x^2 - 20x - 30$ qanday
qiymatlar qabul qiladi?
A) $-40 < q < 120$ B) $q \in R$ C) $q > 0$
D) $0 < q < 30$

1731. 2.9-3 file-» 30 - 1 - - 12 (401897)
$\dfrac{|x - 3|}{x^2 - 5x + 6} \geq 2$ tengsizlikni yeching.

A) $\left[\dfrac{3}{2}; 2\right)$ B) $\left(\dfrac{5}{2}; 4\right)$ C) yechimi yo'q
D) $[-10; 10]$

1732. 2.9-3 file-» 19 - 2 - - 3 (401898)
$0 < \dfrac{3x - 1}{2x + 5} < 1$ qo'sh tengsizlikni yeching.

A) $\left(-\dfrac{5}{2}; 6\right)$ B) $\left(\dfrac{1}{3}; \infty\right)$

C) $\left(-\infty; -\dfrac{5}{2}\right) \cup \left(\dfrac{1}{3}; 6\right)$ **D)** $\left(\dfrac{1}{3}; 6\right)$

1733. 2.9-3 file-» 16 - 6 - - 4 (401899)
Agar $x > y$ va $z > t$ bo'lsa, quyidagi
tengsizliklardan qaysi biri har doim o'rinli
bo'ladi?

A) $x \cdot z > y \cdot t$ B) $\dfrac{x}{z} > \dfrac{y}{t}$
C) $(x + y)^4 > (z + t)^4$
D) $7t - 13x < 7z - 13y$

1734. 2.9-3 file-» 16 - 9 - - 10 (401900)
$\sqrt{x} \geq x - 6$ tengsizlikni qanoatlantiruvchi butun
sonlarning yig'indisini toping.
A) 45   B) 15   C) 28   D) 35

1735. 2.9-3 file-» 34 - 1 - - 7 (401901)
$\dfrac{\sqrt{6 + x - x^2}}{2x + 5} \geq \dfrac{\sqrt{6 + x - x^2}}{x + 4}$ tengsizlikni
yeching.
A) $[-2; -1] \cup \{3\}$ B) $[-2; 1]$ C) $[1; 3]$
D) $[-2; 3]$

1736. 2.9-3 file-» 22 - 23 - - 6 (401902)
$\left|\dfrac{3}{x - 2}\right| \geq \dfrac{1}{4}$ tengsizlikning butun sonlardan
iborat yechimlaridan eng kattasi va eng
kichigining ko'paytmasini toping.
A) 42   B) -117 **C)** -140 D) -130

1737. 2.9-3 file-» 32 - 3 - - 2 (401903)
a ning qanday qiymatlarida $1 < \dfrac{3a + 10}{a + 4} < 2$
tengsizlik o'rinli bo'ladi?
A) $(-1,5; 4)$ **B)** $(-3; -2)$ C) $(-7; 4)$
D) $\emptyset$

1738. 2.9-3 file-» 32 - 3 - - 2 (401904)
$y = (a - 2)x^2 - (a - 2)x + 6$ va istalgan x haqiqiy
son uchun $y > 5$ bo'lsa, a soni qaysi oraliqda
bo'ladi?
A) $(2; 6)$ B) $(1; 5)$ **C)** $[2; 6)$ D) $(0; 5)$

1739. 2.9-3 file-» 16 - 12 - - 9 (401905)
$(x + 2) \cdot (x^2 + 10x + 25) \cdot \sqrt{49 - x^2} \geq 0$
tengsizlikni qanoatlantiruvchi barcha butun
sonlarning yig'indisini toping.
A) 25   **B)** 13   C) 20   D) 28

1740. 2.9-4 file-» 5 - 3 - - 2 (704344)

Nechta tub son $3 < \dfrac{7x - 19}{3x - 17} < 5$ tengsizlikning yechimi bo'ladi?

A) 2   B) 3   C) 7   D) 5

1741. 2.9-4 file-» 5 - 10 - - 2 (704345)

$\left| \dfrac{1}{1{,}5 - \dfrac{x}{2}} \right| > \dfrac{4}{15}$ tengsizlikning barcha butun

sonlardagi yechimlari yig'indisini toping.

A) 42   B) 45   C) 37   D) 33

1742. 2.9-4 file-» 5 - 7 - - 2 (704346)

$\left| \dfrac{1}{1 - 0{,}5x} \right| > \dfrac{2}{7}$ tengsizlikning barcha butun sonlardagi yechimlari yig'indisini toping.

A) 24   B) 26   C) 22   D) 23

1743. 2.9-4 file-» 22 - 12 - - 2 (704347)

Nechta tub son $2 < \dfrac{3x + 13}{2x + 1} < 4$ tengsizlikning yechimi bo'ladi?

A) 4   B) 3   C) 2   D) 7

1744. 2.9-4 file-» 22 - 13 - - 2 (704348)

$\left| \dfrac{1}{2 - \dfrac{x}{2}} \right| > \dfrac{2}{7}$ tengsizlikning barcha butun

sonlardagi yechimlari yig'indisini toping.

A) 48   B) 52   C) 53   D) 47

1745. 2.9-4 file-» 23 - 4 - - 2 (704349)

$\left| \dfrac{1}{2 - \dfrac{x}{3}} \right| > \dfrac{2}{5}$ tengsizlikning barcha butun

sonlardagi yechimlari yig'indisini toping.

A) 84   B) 90   C) 88   D) 77

1746. 2.9-4 file-» 22 - 1 - - 2 (704350)

Nechta tub son $2 < \dfrac{3x - 19}{2x - 33} < 3$ tengsizlikning yechimi bo'ladi?

A) 5   B) 3   C) 2   D) 7

1747. 2.9-4 file-» 6 - 8 - - 2 (704351)

$\left| \dfrac{1}{0{,}5x + 1} \right| > \dfrac{2}{17}$ tengsizlikning barcha butun sonlardagi yechimlari yig'indisini toping.

A) −64   B) −66   C) −54   D) −33

1748. 2.9-4 file-» 23 - 17 - - 2 (704352)

Nechta tub son $2 \le \dfrac{x + 2}{2x - 11} \le 3$ tengsizlikning yechimi bo'ladi?

A) 1   B) 7   C) 2   D) 3

1749. 2.9-4 file-» 19 - 3 - - 2 (704353)

Nechta tub son $1 < \dfrac{2x + 1}{3x - 13} < 2$ tengsizlikning yechimi bo'ladi?

A) 1   B) 2   C) 4   **D)** 3

1750. 2.9-4 file-» 23 - 19 - - 2 (704354)

Agar $3 \le x \le y \le z \le t \le 27$ bo'lsa, $\dfrac{x}{y} + \dfrac{z}{t}$ ifodaning eng kichik qiymatini toping.

A) $\dfrac{2}{3}$ B) $\dfrac{9}{10}$ C) $\dfrac{3}{2}$ D) $\dfrac{1}{5}$

1751. 2.9-4 file-» 30 - 2 - - 2 (704355)

Agar $9 \le x \le y \le z \le t \le 81$ bo'lsa, $\dfrac{x}{y} + \dfrac{z}{t}$ ifodaning eng kichik qiymatini toping.

A) $\dfrac{2}{3}$ B) $\dfrac{3}{2}$ C) $\dfrac{1}{5}$ D) $\dfrac{1}{3}$

1752. 2.9-4 file-» 30 - 2 - - 2 (704356)

Agar $25 \le x \le y \le z \le t \le 64$ bo'lsa, $\dfrac{x}{y} + \dfrac{z}{t}$ ifodaning eng kichik qiymatini toping.

A) $1{,}25$ B) $1{,}6$ C) $\dfrac{25}{32}$ D) $0{,}2$

1753. 2.9-4 file-» 30 - 2 - - 2 (704357)

Agar $16 \le x \le y \le z \le t \le 121$ bo'lsa, $\dfrac{x}{y} + \dfrac{z}{t}$ ifodaning eng kichik qiymatini toping.

A) $\dfrac{8}{11}$ B) $\dfrac{11}{8}$ C) $\dfrac{4}{11}$ D) $\dfrac{2}{11}$

1754. 2.9-4 file-» 32 - 2 - - 2 (704358)

Agar $8 \le x \le y \le z \le t \le 200$ bo'lsa, $\dfrac{x}{y} + \dfrac{z}{t}$ ifodaning eng kichik qiymatini toping.

A) $0{,}4$ B) $0{,}9$ C) $0{,}7$ D) $0{,}2$

1755. 2.10-1 file-» 50 - 120 - - (704359)

−23 va −3 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −19; −15; −11; −7
B) −18; −14; −10; −6
C) −20; −16; −12; −8
D) −17; −13; −9; −5

1756. 2.10-1 file-» 50 - 120 - - (704360)

−22 va −2 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −16; −12; −8; −4
B) −18; −14; −10; −6
C) −17; −13; −9; −5
D) −19; −15; −11; −7

1757.   2.10-1 file-» 50 - 120 - -   (704361)
−21 va −1 sonlari orasiga to'rtta son shunday
qo'yilganki, natijada u sonlar berilgan sonlar
bilan birgalikda arifmetik progressiya hosil
qilgan. Qo'yilgan sonlarni toping.

A) −18; −14; −10; −6
B) −15; −11; −7; −3
C) −17; −13; −9; −5
D) −16; −12; −8; −4

1758.   2.10-1 file-» 50 - 120 - -   (704362)
−20 va 0 sonlari orasiga to'rtta son shunday
qo'yilganki, natijada u sonlar berilgan sonlar
bilan birgalikda arifmetik progressiya hosil
qilgan. Qo'yilgan sonlarni toping.

A) −15; −11; −7; −3
B) −17; −13; −9; −5
C) −14; −10; −6; −2
D) −16; −12; −8; −4

1759.   2.10-1 file-» 50 - 120 - -   (704363)
−19 va 1 sonlari orasiga to'rtta son shunday
qo'yilganki, natijada u sonlar berilgan sonlar
bilan birgalikda arifmetik progressiya hosil
qilgan. Qo'yilgan sonlarni toping.

A) −15; −11; −7; −3
B) −14; −10; −6; −2
C) −16; −12; −8; −4   D) −13; −9; −5; −1

1760.   2.10-1 file-» 50 - 120 - -   (704364)
−17 va 3 sonlari orasiga to'rtta son shunday
qo'yilganki, natijada u sonlar berilgan sonlar
bilan birgalikda arifmetik progressiya hosil
qilgan. Qo'yilgan sonlarni toping.

A) −13; −9; −5; −1   B) −12; −8; −4; 0
C) −14; −10; −6; −2   D) −11; −7; −3; 1

1761.   2.10-1 file-» 50 - 120 - -   (704365)
−16 va 4 sonlari orasiga to'rtta son shunday
qo'yilganki, natijada u sonlar berilgan sonlar
bilan birgalikda arifmetik progressiya hosil
qilgan. Qo'yilgan sonlarni toping.

A) −10; −6; −2; 2   **B)** −12; −8; −4; 0
C) −11; −7; −3; 1   D) −13; −9; −5; −1

1762.   2.10-1 file-» 50 - 120 - -   (704366)
−15 va 5 sonlari orasiga to'rtta son shunday
qo'yilganki, natijada u sonlar berilgan sonlar
bilan birgalikda arifmetik progressiya hosil
qilgan. Qo'yilgan sonlarni toping.

A) −12; −8; −4; 0   B) −9; −5; −1; 3
C) −11; −7; −3; 1   D) −10; −6; −2; 2

1763.   2.10-1 file-» 50 - 120 - -   (704367)
−14 va 6 sonlari orasiga to'rtta son shunday
qo'yilganki, natijada u sonlar berilgan sonlar
bilan birgalikda arifmetik progressiya hosil
qilgan. Qo'yilgan sonlarni toping.

A) −9; −5; −1; 3   B) −11; −7; −3; 1
C) −8; −4; 0; 4   **D)** −10; −6; −2; 2

1764.   2.10-1 file-» 50 - 120 - -   (704368)
−13 va 7 sonlari orasiga to'rtta son shunday
qo'yilganki, natijada u sonlar berilgan sonlar
bilan birgalikda arifmetik progressiya hosil
qilgan. Qo'yilgan sonlarni toping.

A) −9; −5; −1; 3   B) −8; −4; 0; 4
C) −10; −6; −2; 2   D) −7; −3; 1; 5

1765.   2.10-1 file-» 50 - 120 - -   (704369)
−23 va −8 sonlari orasiga to'rtta son shunday
qo'yilganki, natijada u sonlar berilgan sonlar
bilan birgalikda arifmetik progressiya hosil
qilgan. Qo'yilgan sonlarni toping.

A) −20; −17; −14; −11
B) −19; −16; −13; −10
C) −21; −18; −15; −12
D) −18; −15; −12; −9

1766.   2.10-1 file-» 50 - 120 - -   (704370)
−22 va −7 sonlari orasiga to'rtta son shunday
qo'yilganki, natijada u sonlar berilgan sonlar
bilan birgalikda arifmetik progressiya hosil
qilgan. Qo'yilgan sonlarni toping.

A) −17; −14; −11; −8
B) −19; −16; −13; −10
C) −18; −15; −12; −9
D) −20; −17; −14; −11

1767.   2.10-1 file-» 50 - 120 - -   (704371)
−21 va −6 sonlari orasiga to'rtta son shunday
qo'yilganki, natijada u sonlar berilgan sonlar
bilan birgalikda arifmetik progressiya hosil
qilgan. Qo'yilgan sonlarni toping.

A) −19; −16; −13; −10
B) −16; −13; −10; −7
C) −18; −15; −12; −9
D) −17; −14; −11; −8

1768.   2.10-1 file-» 50 - 120 - -   (704372)
−20 va −5 sonlari orasiga to'rtta son shunday
qo'yilganki, natijada u sonlar berilgan sonlar
bilan birgalikda arifmetik progressiya hosil
qilgan. Qo'yilgan sonlarni toping.

A) −16; −13; −10; −7
B) −18; −15; −12; −9
C) −15; −12; −9; −6
D) −17; −14; −11; −8

1769. 2.10-1 file-» 50 - 120 - - (704373)
−19 va −4 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −16; −13; −10; −7
B) −15; −12; −9; −6
C) −17; −14; −11; −8
D) −14; −11; −8; −5

1770. 2.10-1 file-» 50 - 120 - - (704374)
−17 va −2 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −14; −11; −8; −5
B) −13; −10; −7; −4
C) −15; −12; −9; −6   D) −12; −9; −6; −3

1771. 2.10-1 file-» 50 - 120 - - (704375)
−16 va −1 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −11; −8; −5; −2   **B)** −13; −10; −7; −4
C) −12; −9; −6; −3   D) −14; −11; −8; −5

1772. 2.10-1 file-» 50 - 120 - - (704376)
−15 va 0 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −13; −10; −7; −4   B) −10; −7; −4; −1
C) −12; −9; −6; −3   D) −11; −8; −5; −2

1773. 2.10-1 file-» 50 - 120 - - (704377)
−14 va 1 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −10; −7; −4; −1   B) −12; −9; −6; −3
C) −9; −6; −3; 0   **D)** −11; −8; −5; −2

1774. 2.10-1 file-» 50 - 120 - - (704378)
−13 va 2 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −10; −7; −4; −1   B) −9; −6; −3; 0
C) −11; −8; −5; −2   D) −8; −5; −2; 1

1775. 2.10-1 file-» 50 - 120 - - (704379)
−23 va −13 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −21; −19; −17; −15
B) −20; −18; −16; −14
C) −22; −20; −18; −16
D) −19; −17; −15; −13

1776. 2.10-1 file-» 50 - 120 - - (704380)
−22 va −12 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −18; −16; −14; −12
B) −20; −18; −16; −14
C) −19; −17; −15; −13
D) −21; −19; −17; −15

1777. 2.10-1 file-» 50 - 120 - - (704381)
−21 va −11 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −20; −18; −16; −14
B) −17; −15; −13; −11
C) −19; −17; −15; −13
D) −18; −16; −14; −12

1778. 2.10-1 file-» 50 - 120 - - (704382)
−20 va −10 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −17; −15; −13; −11
B) −19; −17; −15; −13
C) −16; −14; −12; −10
D) −18; −16; −14; −12

1779. 2.10-1 file-» 50 - 120 - - (704383)
−19 va −9 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −17; −15; −13; −11
B) −16; −14; −12; −10
C) −18; −16; −14; −12
D) −15; −13; −11; −9

1780. 2.10-1 file-» 50 - 120 - - (704384)
−17 va −7 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −15; −13; −11; −9
B) −14; −12; −10; −8
C) −16; −14; −12; −10
D) −13; −11; −9; −7

1781. 2.10-1 file-» 50 - 120 - - (704385)
−16 va −6 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) −12; −10; −8; −6
B) −14; −12; −10; −8
C) −13; −11; −9; −7
D) −15; −13; −11; −9

1782. 2.10-1 file-» 50 - 120 - - (704386)
−15 va −5 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) −14; −12; −10; −8
B) −11; −9; −7; −5   **C)** −13; −11; −9; −7
D) −12; −10; −8; −6

1783. 2.10-1 file-» 50 - 120 - - (704387)
−14 va −4 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) −11; −9; −7; −5   B) −13; −11; −9; −7
C) −10; −8; −6; −4   **D)** −12; −10; −8; −6

1784. 2.10-1 file-» 50 - 120 - - (704388)
−13 va −3 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) −11; −9; −7; −5   B) −10; −8; −6; −4
C) −12; −10; −8; −6   D) −9; −7; −5; −3

1785. 2.10-1 file-» 50 - 128 - - (719400)
−13 va 7 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) −9; −5; −1; 3   B) −8; −4; 0; 4
C) −10; −6; −2; 2   D) −7; −3; 1; 5

1786. 2.10-1 file-» 50 - 128 - - (719401)
−12 va 8 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping
A) −6; −2; 2; 6   **B)** −8; −4; 0; 4
C) −7; −3; 1; 5   D) −9; −5; −1; 3

1787. 2.10-1 file-» 50 - 128 - - (719402)
−11 va 9 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) −8; −4; 0; 4   B) −5; −1; 3; 7
C) −7; −3; 1; 5   D) −6; −2; 2; 6

1788. 2.10-1 file-» 50 - 128 - - (719403)
−10 va 10 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) −5; −1; 3; 7   B) −7; −3; 1; 5
C) −4; 0; 4; 8   **D)** −6; −2; 2; 6

1789. 2.10-1 file-» 50 - 128 - - (719404)
−9 va 11 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) −5; −1; 3; 7   B) −4; 0; 4; 8
C) −6; −2; 2; 6   D) −3; 1; 5; 9

1790. 2.10-1 file-» 50 - 128 - - (719405)
−7 va 13 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) −3; 1; 5; 9   B) −2; 2; 6; 10
C) −4; 0; 4; 8   D) −1; 3; 7; 11

1791. 2.10-1 file-» 50 - 128 - - (719406)
−6 va 14 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) 0; 4; 8; 12   **B)** −2; 2; 6; 10
C) −1; 3; 7; 11   D) −3; 1; 5; 9

1792. 2.10-1 file-» 50 - 128 - - (719407)
−5 va 15 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) −2; 2; 6; 10   B) 1; 5; 9; 13
C) −1; 3; 7; 11   D) 0; 4; 8; 12

1793. 2.10-1 file-» 50 - 128 - - (719408)
−4 va 16 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) 1; 5; 9; 13   B) −1; 3; 7; 11
C) 2; 6; 10; 14   **D)** 0; 4; 8; 12

1794. 2.10-1 file-» 50 - 128 - - (719409)
−3 va 17 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) 1; 5; 9; 13   B) 2; 6; 10; 14
C) 0; 4; 8; 12   D) 3; 7; 11; 15

1795.   2.10-1 file-» 50 - 128 - -   (719410)
−13 va 2 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −10; −7; −4; −1   B) −9; −6; −3; 0
C) −11; −8; −5; −2   D) −8; −5; −2; 1

1796.   2.10-1 file-» 50 - 128 - -   (719411)
−12 va 3 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −7; −4; −1; 2   **B)** −9; −6; −3; 0
C) −8; −5; −2; 1   D) −10; −7; −4; −1

1797.   2.10-1 file-» 50 - 128 - -   (719412)
−11 va 4 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −9; −6; −3; 0   B) −6; −3; 0; 3
C) −8; −5; −2; 1   D) −7; −4; −1; 2

1798.   2.10-1 file-» 50 - 128 - -   (719413)
−10 va 5 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −6; −3; 0; 3   B) −8; −5; −2; 1
C) −5; −2; 1; 4   **D)** −7; −4; −1; 2

1799.   2.10-1 file-» 50 - 128 - -   (719414)
−9 va 6 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −6; −3; 0; 3   B) −5; −2; 1; 4
C) −7; −4; −1; 2   D) −4; −1; 2; 5

1800.   2.10-1 file-» 50 - 128 - -   (719415)
−7 va 8 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −4; −1; 2; 5   B) −3; 0; 3; 6
C) −5; −2; 1; 4   D) −2; 1; 4; 7

1801.   2.10-1 file-» 50 - 128 - -   (719416)
−6 va 9 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −1; 2; 5; 8   **B)** −3; 0; 3; 6
C) −2; 1; 4; 7   D) −4; −1; 2; 5

1802.   2.10-1 file-» 50 - 128 - -   (719417)
−5 va 10 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −3; 0; 3; 6   B) 0; 3; 6; 9
C) −2; 1; 4; 7   D) −1; 2; 5; 8

1803.   2.10-1 file-» 50 - 128 - -   (719418)
−4 va 11 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) 0; 3; 6; 9   B) −2; 1; 4; 7
C) 1; 4; 7; 10   **D)** −1; 2; 5; 8

1804.   2.10-1 file-» 50 - 128 - -   (719419)
−3 va 12 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) 0; 3; 6; 9   B) 1; 4; 7; 10
C) −1; 2; 5; 8   D) 2; 5; 8; 11

1805.   2.10-1 file-» 50 - 128 - -   (719420)
−13 va −3 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −11; −9; −7; −5   B) −10; −8; −6; −4
C) −12; −10; −8; −6   D) −9; −7; −5; −3

1806.   2.10-1 file-» 50 - 128 - -   (719421)
−12 va −2 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −8; −6; −4; −2   **B)** −10; −8; −6; −4
C) −9; −7; −5; −3   D) −11; −9; −7; −5

1807.   2.10-1 file-» 50 - 128 - -   (719422)
−11 va −1 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −10; −8; −6; −4   B) −7; −5; −3; −1
C) −9; −7; −5; −3   D) −8; −6; −4; −2

1808.   2.10-1 file-» 50 - 128 - -   (719423)
−10 va 0 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −7; −5; −3; −1   B) −9; −7; −5; −3
C) −6; −4; −2; 0   **D)** −8; −6; −4; −2

1809.   2.10-1 file-» 50 - 128 - -   (719424)
−9 va 1 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −7; −5; −3; −1   B) −6; −4; −2; 0
C) −8; −6; −4; −2   D) −5; −3; −1; 1

1810.   2.10-1 file-» 50 - 128 - -   (719425)
−7 va 3 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −5; −3; −1; 1   B) −4; −2; 0; 2
C) −6; −4; −2; 0   D) −3; −1; 1; 3

1811.   2.10-1 file-» 50 - 128 - -   (719426)
−6 va 4 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −2; 0; 2; 4   **B)** −4; −2; 0; 2
C) −3; −1; 1; 3   D) −5; −3; −1; 1

1812.   2.10-1 file-» 50 - 128 - -   (719427)
−5 va 5 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −4; −2; 0; 2   B) −1; 1; 3; 5
C) −3; −1; 1; 3   D) −2; 0; 2; 4

1813.   2.10-1 file-» 50 - 128 - -   (719428)
−4 va 6 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −1; 1; 3; 5   B) −3; −1; 1; 3
C) 0; 2; 4; 6   **D)** −2; 0; 2; 4

1814.   2.10-1 file-» 50 - 128 - -   (719429)
−3 va 7 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.

A) −1; 1; 3; 5   B) 0; 2; 4; 6
C) −2; 0; 2; 4   D) 1; 3; 5; 7

1815.   2.10-2 file-» 5 - 3 - -   (13860)
Арифметик прогрессиянинг учинчи ва тўққизинчи ҳадлари йиғиндиси 4 га тенг. Шу прогрессиянинг дастлабки 11 та ҳадлари йиғиндисини топинг.

A) 22   B) 33   C) 44   D) 55

1816.   2.10-2 file-» 22 - 13 - -   (36304)
$a_n = 4n - 12$ $(n \in N)$ формула билан берилган кетма-кетликнинг дастлабки 60 та ҳадининг йиғиндисини топинг.

A) 4500   B) 6000   **C)** 6600   D) 7200

1817.   2.10-2 file-» 22 - 14 - -   (36353)
Ҳадлари $x_n = 4n + 6$ $(n \in N)$ формула билан берилган кетма-кетликнинг дастлабки ўттизта ҳади йиғиндисини топинг.

A) 2040   B) 1800   C) 2100   D) 1940

1818.   2.10-2 file-» 22 - 15 - -   (36403)
Ҳадлари $b_n = 3n - 10,5$ $(n \in N)$ формула билан берилган кетма-кетликнинг дастлабки 40 та ҳади йиғиндисини топинг.

A) 4860   **B)** 2040   C) 5140   D) 5440

1819.   2.10-2 file-» 23 - 2 - -   (36471)
(x_n) $(n \in N)$ арифметик прогрессиянинг дастлабки n та ҳади йиғиндиси 120 га тенг. Агар $x_3 + x_{n-2} = 30$ бўлса, йиғиндида нечта ҳад қатнашган?

A) 6   B) 10   **C)** 8   D) 12

1820.   2.10-2 file-» 23 - 2 - -   (36472)
Махражи 2 га тенг бўлган геометрик прогрессиянинг дастлабки бешта ҳади йиғиндиси 186 га тенг. Прогрессиянинг биринчи ҳадини топинг.

A) 3   B) 5   C) 4   **D)** 6

1821.   2.10-2 file-» 23 - 3 - -   (36530)
Дастлабки еттита ҳадининг йиғиндиси −280 га ва ҳадларининг айирмаси −2 га тенг бўлган арифметик прогрессиянинг биринчи ҳадини топинг.

A) −32   B) −42   **C)** −34   D) −36

1822.   2.10-2 file-» 23 - 4 - -   (36589)
Дастлабки бешта ҳадининг йиғиндиси −124 га ва махражи 2 га тенг геометрик прогрессиянинг биринчи ҳадини топинг.

A) −1   B) −3   **C)** −4   D) −2

1823.   2.10-2 file-» 22 - 1 - -   (36755)
160 дан катта бўлмаган 7 га каррали барча натурал сонларнинг йиғиндисини топинг.

A) 1470   B) 1617   **C)** 1771   D) 1624

1824.   2.10-2 file-» 6 - 7 - -   (56422)
Биринчи ҳади 4 га, ўн биринчи ҳади 8 га тенг бўлган арифметик прогрессиянинг олтинчи ҳадини топинг.

A) 4   B) 5   **C)** 6   D) 7

1825.　　2.10-2 file-» 6 - 7 - -　　(56423)
Геометрик прогрессиянинг махражи 3 га, дастлабки тўртта ҳадлари йиғиндиси 40 га тенг. Унинг тўртинчи ҳадини топинг.

A) 24　　B) 32　　C) 54　　**D) 27**

1826.　　2.10-2 file-» 6 - 8 - -　　(56481)
Иккинчи ҳади 5 га, саккизинчи ҳади 12 га тенг бўлган арифметик прогрессиянинг бешинчи ҳадини топинг.

A) $7,5$　　B) $12,5$　　C) 10　　**D) $8,5$**

1827.　　2.10-2 file-» 6 - 8 - -　　(56482)
Геометрик прогрессиянинг махражи 3 га, дастлабки тўртта ҳадининг йиғиндиси 120 га тенг. Биринчи ҳадининг қийматини топинг.

A) 1　　B) 2　　**C) 3**　　D) 4

1828.　　2.10-2 file-» 22 - 19 - - 4　　(69938)
Арифметик прогрессиянинг ўн учинчи ҳади 3 га тенг. Унинг дастлабки 25 та ҳади йиғиндисини топинг.

A) 125　　B) 100　　**C) 75**　　D) 225

1829.　　2.10-2 file-» 22 - 19 - - 4　　(69939)
(b_n) $(n \in N)$ геометрик прогрессияда $q = 2$ ва $S_4 = 3$. b_2 ни топинг.

A) $0,4$　　B) $0,8$　　C) $1\frac{1}{3}$　　D) $\frac{2}{3}$

1830.　　2.10-2 file-» 23 - 11 - - 9　　(70986)
Арифметик прогрессияда $a_2 - a_1 = 6$ бўлса, $a_8 - a_5$ нинг қиймати нечага тенг бўлади?

A) 10　　B) 12　　C) 9　　**D) 18**

1831.　　2.10-2 file-» 23 - 13 - - 10　　(71101)
Арифметик прогрессия 26 ҳаддан иборат. Агар $a_6 = -0,25$ ва $a_{21} = -1,25$ бўлса, унинг ҳадлари йиғиндисини топинг.

A) $-9,75$　　B) $-10,75$　　**C) $-19,5$**　　D) $-8,5$

1832.　　2.10-2 file-» 16 - 6 - - 4　　(88102)
Арифметик прогрессиянинг бешинчи ҳади $5\frac{1}{3}$ га тенг. Унинг дастлабки тўққизта ҳади йиғиндисини топинг.

A) 36　　**B) 48**　　C) 54　　D) 45

1833.　　2.10-2 file-» 16 - 7 - - 6　　(105876)
Кетма-кет келган олтита натурал соннинг йиғиндиси 417 га тенг. Шу сонларнинг энг кичигини топинг.

A) 59　　**B) 67**　　C) 70　　D) 48

1834.　　2.10-2 file-» 22 - 23 - - 6　　(134304)
$-\frac{1}{4}; -\frac{5}{24}; \dots$ арифметик прогрессиянинг нечта ҳади манфий?

A) 8　　**B) 6**　　C) 5　　D) 7

1835.　　2.10-2 file-» 5 - 3 - -　　(315330)
Arifmetik progressiyaning uchinchi va to'qqizinchi hadlari yig'indisi 4 ga teng. Shu progressiyaning dastlabki 11 ta hadlari yig'indisini toping.

A) 22　　B) 33　　C) 44　　D) 55

1836.　　2.10-2 file-» 22 - 13 - -　　(315331)
$a_n = 4n - 12$ $(n \in N)$ formula bilan berilgan ketma-ketlikning dastlabki 60 ta hadining yig'indisini toping.

A) 4500　　B) 6000　　**C) 6600**　　D) 7200

1837.　　2.10-2 file-» 22 - 14 - -　　(315332)
Hadlari $x_n = 4n + 6$ $(n \in N)$ formula bilan berilgan ketma-ketlikning dastlabki o'ttizta hadi yig'indisini toping.

A) 2040　　B) 1800　　C) 2100　　D) 1940

1838.　　2.10-2 file-» 22 - 15 - -　　(315333)
Hadlari $b_n = 3n - 10,5$ $(n \in N)$ formula bilan berilgan ketma-ketlikning dastlabki 40 ta hadi yig'indisini toping.

A) 4860　　**B) 2040**　　C) 5140　　D) 5440

1839.　　2.10-2 file-» 23 - 2 - -　　(315334)
(x_n) $(n \in N)$ arifmetik progressiyaning dastlabki n ta hadi yig'indisi 120 ga teng. Agar $x_3 + x_{n-2} = 30$ bo'lsa, yig'indida nechta had qatnashgan?

A) 6　　B) 10　　**C) 8**　　D) 12

1840.　　2.10-2 file-» 23 - 2 - -　　(315335)
Maxraji 2 ga teng bo'lgan geometrik progressiyaning dastlabki beshta hadi yig'indisi 186 ga teng. Progressiyaning birinchi hadini toping.

A) 3　　B) 5　　C) 4　　**D) 6**

1841.　　2.10-2 file-» 23 - 3 - -　　(315336)
Dastlabki yettita hadining yig'indisi -280 ga va hadlarining ayirmasi -2 ga teng bo'lgan arifmetik progressiyaning birinchi hadini toping.

A) -32　　B) -42　　**C) -34**　　D) -36

1842.　　2.10-2 file-» 23 - 4 - -　　(315337)
Dastlabki beshta hadining yig'indisi -124 ga va maxraji 2 ga teng geometrik progressiyaning birinchi hadini toping.

A) -1　　B) -3　　**C) -4**　　D) -2

1843. 2.10-2 file-» 22 - 1 - - (315338)
160 dan katta bo'lmagan 7 ga karrali barcha natural sonlarning yig'indisini toping.
A) 1470 B) 1617 **C) 1771** D) 1624

1844. 2.10-2 file-» 6 - 7 - - (315339)
Birinchi hadi 4 ga, o'n birinchi hadi 8 ga teng bo'lgan arifmetik progressiyaning oltinchi hadini toping.
A) 4 B) 5 **C) 6** D) 7

1845. 2.10-2 file-» 6 - 7 - - (315340)
Geometrik progressiyaning maxraji 3 ga, dastlabki to'rtta hadlari yig'indisi 40 ga teng. Uning to'rtinchi hadini toping.
A) 24 B) 32 C) 54 **D) 27**

1846. 2.10-2 file-» 6 - 8 - - (315341)
Ikkinchi hadi 5 ga, sakkizinchi hadi 12 ga teng bo'lgan arifmetik progressiyaning beshinchi hadini toping.
A) 7,5 B) 12,5 C) 10 **D) 8,5**

1847. 2.10-2 file-» 6 - 8 - - (315342)
Geometrik progressiyaning maxraji 3 ga, dastlabki to'rtta hadining yig'indisi 120 ga teng. Birinchi hadining qiymatini toping.
A) 1 B) 2 **C) 3** D) 4

1848. 2.10-2 file-» 22 - 19 - - 4 (315343)
Arifmetik progressiyaning o'n uchinchi hadi 3 ga teng. Uning dastlabki 25 ta hadi yig'indisini toping.
A) 125 B) 100 **C) 75** D) 225

1849. 2.10-2 file-» 22 - 19 - - 4 (315344)
(b_n) $(n \in N)$ geometrik progressiyada $q = 2$ va $S_4 = 3$. b_2 ni toping.

A) 0,4 B) 0,8 C) $1\frac{1}{3}$ D) $\frac{2}{3}$

1850. 2.10-2 file-» 23 - 11 - - 9 (315345)
Arifmetik progressiyada $a_2 - a_1 = 6$ bo'lsa, $a_8 - a_5$ ning qiymati nechaga teng bo'ladi?
A) 10 B) 12 C) 9 **D) 18**

1851. 2.10-2 file-» 23 - 13 - - 10 (315346)
Arifmetik progressiya 26 haddan iborat. Agar $a_6 = -0,25$ va $a_{21} = -1,25$ bo'lsa, uning hadlari yig'indisini toping.
A) $-9,75$ B) $-10,75$ **C) $-19,5$**
D) $-8,5$

1852. 2.10-2 file-» 16 - 6 - - 4 (315347)
Arifmetik progressiyaning beshinchi hadi $5\frac{1}{3}$ ga teng. Uning dastlabki to'qqizta hadi yig'indisini toping.
A) 36 **B) 48** C) 54 D) 45

1853. 2.10-2 file-» 16 - 7 - - 6 (315348)
Ketma-ket kelgan oltita natural sonning yig'indisi 417 ga teng. Shu sonlarning eng kichigini toping.
A) 59 **B) 67** C) 70 D) 48

1854. 2.10-2 file-» 22 - 23 - - 6 (315349)
$-\frac{1}{4}; -\frac{5}{24}; ...$ arifmetik progressiyaning nechta hadi manfiy?
A) 8 **B) 6** C) 5 D) 7

1855. 2.10-2 file-» 50 - 91 - - (401906)
Quyida keltirilgan tasdiqlardan qaysilari noto'g'ri?
1) arifmetik progressiyaning ayirmasi uchun $d = \frac{a_n + a_1}{n-1}$ $(n \neq 1)$ munosabat o'rinli;
2) $sin(\alpha + \beta)$, $sin(\alpha - \beta)$ va $sin\alpha cos\beta$ sonlar arifmetik progressiyaning ketma-ket keladigan hadlari bo'ladi;
3) arifmetik progressiya dastlabki n ta hadining yig'indisi uchun $S_n = \frac{2a_1 + (n-1)d}{2} \cdot n$ formula o'rinli;
4) cheksiz kamayuvchi geometrik progressiyaning yig'indisi $S = \frac{b_1}{q-1}$ ga teng;
5) geometrik progressiya dastlabki n ta hadining yig'indisi $S_n = \frac{b_1(q^n - 1)}{q-1} (q \neq 1)$ formula bilan hisoblanadi;
A) 1; 2; 4 B) 2; 3; 5 C) 1; 3; 4 D) 2; 4; 5

1856. 2.10-2 file-» 50 - 91 - - (401907)
Quyida keltirilgan tasdiqlardan qaysilari noto'g'ri?
1) arifmetik progressiyaning ayirmasi uchun $d = \frac{a_n - a_1}{n-1}$ $(n \neq 1)$ munosabat o'rinli;
2) $sin(\alpha + \beta)$, $sin(\alpha - \beta)$ va $sin\alpha cos\beta$ sonlar arifmetik progressiyaning ketma-ket keladigan hadlari bo'ladi;
3) arifmetik progressiya dastlabki n ta hadining yig'indisi uchun $S_n = \frac{2a_1 - (n-1)d}{2} \cdot n$ formula o'rinli;
4) cheksiz kamayuvchi geometrik progressiyaning yig'indisi $S = \frac{b_1}{1-q}$ ga teng;
5) geometrik progressiya dastlabki n ta hadining yig'indisi $S_n = \frac{b_1(1-q^n)}{q-1} (q \neq 1)$ formula bilan hisoblanadi;
A) 1; 2; 4 **B) 2; 3; 5** C) 1; 4; 5 D) 1; 2; 3

1857. 2.10-2 file-» 50 - 91 - - (401908)
Quyida keltirilgan tasdiqlardan qaysilari
noto'g'ri?
1) arifmetik progressiyaning ayirmasi uchun
$d = \frac{a_n + a_1}{n-1}$ ($n \neq 1$) munosabat o'rinli;
2) $sin(\alpha + \beta)$, $sin\alpha cos\beta$ va $sin(\alpha - \beta)$ sonlar
arifmetik progressiyaning ketma-ket keladigan
hadlari bo'ladi;
3) arifmetik progressiya dastlabki n ta hadining
yig'indisi uchun $S_n = \frac{2a_1 - (n-1)d}{2} \cdot n$ formula
o'rinli;
4) cheksiz kamayuvchi geometrik progressiyaning
yig'indisi $S = \frac{b_1}{q-1}$ ga teng;
5) geometrik progressiya dastlabki n ta hadining
yig'indisi $S_n = \frac{b_1(q^n-1)}{q-1}$ ($q \neq 1$) formula bilan
hisoblanadi;

A) $2; 4; 5$ B) $1; 2; 3$ **C)** $1; 3; 4$ D) $2; 3; 5$

1858. 2.10-2 file-» 50 - 91 - - (401909)
Quyida keltirilgan tasdiqlardan qaysilari
noto'g'ri?
1) arifmetik progressiyaning ayirmasi uchun
$d = \frac{a_n - a_1}{n-1}$ ($n \neq 1$) munosabat o'rinli;
2) $sin(\alpha + \beta)$, $sin(\alpha - \beta)$ va $sin\alpha cos\beta$ sonlar
arifmetik progressiyaning ketma-ket keladigan
hadlari bo'ladi;
3) arifmetik progressiya dastlabki n ta hadining
yig'indisi uchun $S_n = \frac{2a_1 + (n-1)d}{2} \cdot n$ formula
o'rinli;
4) cheksiz kamayuvchi geometrik progressiyaning
yig'indisi $S = \frac{b_1}{q-1}$ ga teng;
5) geometrik progressiya dastlabki n ta hadining
yig'indisi $S_n = \frac{b_1(1-q^n)}{q-1}$ ($q \neq 1$) formula bilan
hisoblanadi;

A) $1; 2; 3$ B) $1; 4; 5$ C) $1; 3; 5$ **D)** $2; 4; 5$

1859. 2.10-2 file-» 50 - 91 - - (401910)
Quyida keltirilgan tasdiqlardan qaysilari
noto'g'ri?
1) arifmetik progressiyaning ayirmasi uchun
$d = \frac{a_n + a_1}{n-1}$ ($n \neq 1$) munosabat o'rinli;
2) $sin(\alpha + \beta)$, $sin\alpha cos\beta$ va $sin(\alpha - \beta)$ sonlar
arifmetik progressiyaning ketma-ket keladigan
hadlari bo'ladi;
3) arifmetik progressiya dastlabki n ta hadining
yig'indisi uchun $S_n = \frac{2a_1 - (n-1)d}{2} \cdot n$ formula
o'rinli;
4) cheksiz kamayuvchi geometrik progressiyaning
yig'indisi $S = \frac{b_1}{1-q}$ ga teng;
5) geometrik progressiya dastlabki n ta hadining
yig'indisi $S_n = \frac{b_1(1-q^n)}{q-1}$ ($q \neq 1$) formula bilan
hisoblanadi;

A) $1; 3; 5$ B) $2; 3; 4$ C) $1; 3; 4$ D) $2; 4; 5$

1860. 2.10-2 file-» 50 - 91 - - (401911)
Quyida keltirilgan tasdiqlardan qaysilari
noto'g'ri?
1) arifmetik progressiyaning ayirmasi uchun
$d = \frac{a_n + a_1}{n-1}$ ($n \neq 1$) munosabat o'rinli;
2) $sin(\alpha + \beta)$, $sin(\alpha - \beta)$ va $sin\alpha cos\beta$ sonlar
arifmetik progressiyaning ketma-ket keladigan
hadlari bo'ladi;
3) arifmetik progressiya dastlabki n ta hadining
yig'indisi uchun $S_n = \frac{2a_1 + (n-1)d}{2} \cdot n$ formula
o'rinli;
4) cheksiz kamayuvchi geometrik progressiyaning
yig'indisi $S = \frac{b_1}{q-1}$ ga teng;
5) geometrik progressiya dastlabki n ta hadining
yig'indisi $S_n = \frac{b_1(q^n-1)}{q-1}$ ($q \neq 1$) formula bilan
hisoblanadi;

A) $1; 2; 4$ B) $2; 3; 5$ C) $2; 4; 5$ D) $1; 3; 4$

1861. 2.10-2 file-» 50 - 91 - - (401912)
Quyida keltirilgan tasdiqlardan qaysilari
noto'g'ri?
1) arifmetik progressiyaning ayirmasi uchun
$d = \frac{a_n - a_1}{n-1}$ ($n \neq 1$) munosabat o'rinli;
2) $sin(\alpha + \beta)$, $sin(\alpha - \beta)$ va $sin\alpha cos\beta$ sonlar
arifmetik progressiyaning ketma-ket keladigan
hadlari bo'ladi;
3) arifmetik progressiya dastlabki n ta hadining
yig'indisi uchun $S_n = \frac{2a_1 - (n-1)d}{2} \cdot n$ formula
o'rinli;
4) cheksiz kamayuvchi geometrik progressiyaning
yig'indisi $S = \frac{b_1}{1-q}$ ga teng;
5) geometrik progressiya dastlabki n ta hadining
yig'indisi $S_n = \frac{b_1(1-q^n)}{q-1}$ ($q \neq 1$) formula bilan
hisoblanadi;

A) $1; 2; 4$ **B)** $2; 3; 5$ C) $1; 3; 4$ D) $2; 4; 5$

1862. 2.10-2 file-» 50 - 91 - - (401913)
Quyida keltirilgan tasdiqlardan qaysilari
noto'g'ri?
1) arifmetik progressiyaning ayirmasi uchun
$d = \frac{a_n + a_1}{n-1}$ ($n \neq 1$) munosabat o'rinli;
2) $sin(\alpha + \beta)$, $sin\alpha cos\beta$ va $sin(\alpha - \beta)$ sonlar
arifmetik progressiyaning ketma-ket keladigan
hadlari bo'ladi;
3) arifmetik progressiya dastlabki n ta hadining
yig'indisi uchun $S_n = \frac{2a_1 + (n-1)d}{2} \cdot n$ formula
o'rinli;
4) cheksiz kamayuvchi geometrik progressiyaning
yig'indisi $S = \frac{b_1}{q-1}$ ga teng;
5) geometrik progressiya dastlabki n ta hadining
yig'indisi $S_n = \frac{b_1(1-q^n)}{q-1}$ ($q \neq 1$) formula bilan
hisoblanadi;

A) $1; 2; 3$ B) $2; 4; 5$ **C)** $1; 4; 5$ D) $2; 3; 4$

1863. 2.10-2 file-» 50 - 91 - - (401914)

Quyida keltirilgan tasdiqlardan qaysilari noto'g'ri?

1) arifmetik progressiyaning ayirmasi uchun $d = \frac{a_n + a_1}{n-1}$ ($n \neq 1$) munosabat o'rinli;

2) $sin(\alpha + \beta)$, $sin(\alpha - \beta)$ va $sin\alpha cos\beta$ sonlar arifmetik progressiyaning ketma-ket keladigan hadlari bo'ladi;

3) arifmetik progressiya dastlabki n ta hadining yig'indisi uchun $S_n = \frac{2a_1 + (n-1)d}{2} \cdot n$ formula o'rinli;

4) cheksiz kamayuvchi geometrik progressiyaning yig'indisi $S = \frac{b_1}{1-q}$ ga teng;

5) geometrik progressiya dastlabki n ta hadining yig'indisi $S_n = \frac{b_1(1-q^n)}{q-1}$ ($q \neq 1$) formula bilan hisoblanadi;

A) $2; 3; 5$ B) $1; 2; 4$ C) $3; 4; 5$ **D) $1; 2; 5$**

1864. 2.10-2 file-» 50 - 91 - - (401915)

Quyida keltirilgan tasdiqlardan qaysilari noto'g'ri?

1) arifmetik progressiyaning ayirmasi uchun $d = \frac{a_n - a_1}{n-1}$ ($n \neq 1$) munosabat o'rinli;

2) $sin(\alpha + \beta)$, $sin(\alpha - \beta)$ va $sin\alpha cos\beta$ sonlar arifmetik progressiyaning ketma-ket keladigan hadlari bo'ladi;

3) arifmetik progressiya dastlabki n ta hadining yig'indisi uchun $S_n = \frac{2a_1 - (n-1)d}{2} \cdot n$ formula o'rinli;

4) cheksiz kamayuvchi geometrik progressiyaning yig'indisi $S = \frac{b_1}{q-1}$ ga teng;

5) geometrik progressiya dastlabki n ta hadining yig'indisi $S_n = \frac{b_1(q^n-1)}{q-1}$ ($q \neq 1$) formula bilan hisoblanadi;

A) $2; 3; 4$ B) $1; 3; 4$ C) $1; 2; 5$ D) $1; 3; 5$

1865. 2.10-2 file-» 50 - 143 - - (704389)

1 va 81 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 39   B) 37   C) 36   D) 43

1866. 2.10-2 file-» 50 - 143 - - (704390)

2 va 162 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 82   **B) 78**   C) 72   D) 75

1867. 2.10-2 file-» 50 - 143 - - (704391)

3 va 243 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 114   B) 121   **C) 117**   D) 108

1868. 2.10-2 file-» 50 - 143 - - (704392)

4 va 324 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 144   B) 153   C) 160   **D) 156**

1869. 2.10-2 file-» 50 - 143 - - (704393)

5 va 405 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 195   B) 180   C) 192   D) 199

1870. 2.10-2 file-» 50 - 143 - - (704394)

2 va 32 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 32   **B) 28**   C) 24   D) 25

1871. 2.10-2 file-» 50 - 143 - - (704395)

3 va 48 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 39   B) 46   **C) 42**   D) 36

1872. 2.10-2 file-» 50 - 143 - - (704396)

4 va 64 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 48   B) 53   C) 60   **D) 56**

1873. 2.10-2 file-» 50 - 143 - - (704397)

5 va 80 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 70   B) 60   C) 67   D) 74

1874. 2.10-2 file-» 50 - 143 - - (704398)

6 va 96 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 88   **B) 84**   C) 72   D) 81

1875. 2.10-2 file-» 50 - 143 - - (704399)

1 va 256 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 81   B) 88   **C) 84**   D) 80

1876.   2.10-2 file-» 50 - 143 - -   (704400)
2 va 512 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 160   B) 165   C) 172   **D) 168**

1877.   2.10-2 file-» 50 - 143 - -   (704401)
3 va 768 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 252   B) 240   C) 249   D) 256

1878.   2.10-2 file-» 50 - 143 - -   (704402)
4 va 1024 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 340   **B) 336**   C) 320   D) 333

1879.   2.10-2 file-» 50 - 143 - -   (704403)
5 va 1280 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 417   B) 424   **C) 420**   D) 400

1880.   2.10-2 file-» 50 - 143 - -   (704404)
$\frac{1}{3}$ va 27 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 12   B) 10   C) 17   **D) 13**

1881.   2.10-2 file-» 50 - 143 - -   (704405)
$\frac{2}{3}$ va 54 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 26   B) 24   C) 23   D) 30

1882.   2.10-2 file-» 50 - 143 - -   (704406)
1 va 81 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 43   **B) 39**   C) 36   D) 26

1883.   2.10-2 file-» 50 - 143 - -   (704407)
$\frac{4}{3}$ va 108 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 49   B) 56   **C) 52**   D) 48

1884.   2.10-2 file-» 50 - 143 - -   (704408)
$\frac{5}{3}$ va 135 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 60   B) 62   C) 69   **D) 65**

1885.   2.10-2 file-» 50 - 143 - -   (704409)
1 va 16 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 14   B) 12   C) 11   D) 18

1886.   2.10-2 file-» 50 - 143 - -   (704410)
$\frac{3}{2}$ va 24 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 25   **B) 21**   C) 18   D) 17

1887.   2.10-2 file-» 50 - 143 - -   (704411)
2 va 32 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 25   B) 32   **C) 28**   D) 24

1888.   2.10-2 file-» 50 - 143 - -   (704412)
$\frac{5}{2}$ va 40 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 30   B) 32   C) 39   **D) 35**

1889.   2.10-2 file-» 50 - 143 - -   (704413)
3 va 48 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 42   B) 36   C) 39   D) 46

1890.　　2.10-2 file-» 50 - 143 - -　　(704414)

$\frac{1}{4}$ va 64 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 25　**B)** 21　C) 20　D) 18

1891.　　2.10-2 file-» 50 - 143 - -　　(704415)

$\frac{1}{2}$ va 128 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 39　B) 46　**C)** 42　D) 40

1892.　　2.10-2 file-» 50 - 143 - -　　(704416)

$\frac{3}{4}$ va 192 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 57　B) 60　C) 67　**D)** 63

1893.　　2.10-2 file-» 50 - 143 - -　　(704417)

1 va 256 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 84　B) 80　C) 81　D) 88

1894.　　2.10-2 file-» 50 - 143 - -　　(704418)

$\frac{5}{4}$ va 320 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.

A) 109　**B)** 105　C) 100　D) 102

1895.　　2.10-3 file-» 19 - 2 - -　3　　(87542)

Чексиз камаювчи геометрик прогрессиянинг йиғиндиси 9 га, махражи эса $\frac{1}{3}$ га тенг. Унинг биринчи ҳамда тўртинчи ҳадларининг айирмасини топинг.

A) $5\frac{1}{3}$　B) $4\frac{2}{9}$　C) $5\frac{2}{3}$　**D)** $5\frac{7}{9}$

1896.　　2.10-3 file-» 19 - 3 - -　9　　(94595)

Олти ҳаддан иборат геометрик прогрессиянинг дастлабки учта ҳадининг йиғиндиси 168 га, кейинги учтасиники эса 21 га тенг. Шу прогрессиянинг биринчи ҳадини топинг.

A) 86　**B)** 96　C) $\frac{1}{2}$　D) 126

1897.　　2.10-3 file-» 32 - 1 - -　10　　(110534)

7, 10, 13, ... арифметик прогрессиянинг нечта ҳадининг ҳар бирини қиймати 99 дан катта, 212 дан кичик бўлади?

A) 33　B) 34　C) 39　**D)** 38

1898.　　2.10-3 file-» 22 - 22 - -　11　　(122803)

(b_n) геометрик прогрессияда $b_4 - b_2 = 24$ ва $b_2 + b_3 = 6$ бўлса, b_2 нинг қийматини топинг.

A) $0,4$　**B)** 1　C) $1\frac{1}{5}$　D) $2,2$

1899.　　2.10-3 file-» 19 - 5 - -　2　　(123025)

Арифметик прогрессиянинг биринчи ва тўртинчи ҳади йиғиндиси 26 га тенг, иккинчи ҳади эса бешинчи ҳадидан 6 га кўп. Шу прогрессиянинг тўртинчи ва саккизинчи ҳади йиғиндисини топинг.

A) 20　B) 10　C) 22　**D)** 12

1900.　　2.10-3 file-» 32 - 3 - -　2　　(139914)

Арифметик прогрессиянинг олтинчи ҳади 10 га, дастлабки 16 та ҳадининг йиғиндиси 200 га тенг. Бу прогрессиянинг 9-ҳадини топинг.

A) 16　B) 14　C) 18　**D)** 13

1901.　　2.10-3 file-» 23 - 22 - -　1　　(140305)

Геометрик прогрессиянинг олтинчи ва биринчи ҳади айирмаси 1210 га, махражи 3 га тенг. Шу прогрессиянинг дастлабки олтита ҳади йиғиндисини топинг.

A) 1820　B) 1720　C) 1520　D) 605

1902.　　2.10-3 file-» 5 - 14 - -　3　　(140668)

Иккинчи ҳади 6 га тенг, биринчи учта ҳадининг йиғиндиси 26 га тенг ўсувчи геометрик прогрессиянинг тўртинчи ва иккинчи ҳадлари айирмасини топинг.

A) 32　B) 16　C) 36　**D)** 48

1903.　　2.10-3 file-» 19 - 8 - -　6　　(141389)

7 га бўлганда, қолдиғи 3 га тенг бўладиган барча икки хонали сонларнинг йиғиндисини топинг.

A) 656　B) 776　C) 666　**D)** 676

1904. 2.10-3 file-» 51 - 1 - - (175090)
Геометрик прогрессияда $b_1 + b_5 = 51$ ва
$b_2 + b_6 = 102$. Шу прогрессиянинг дастлабки
еттита ҳади йиғиндисини топинг.

A) 361 B) 765 **C) 381** D) 399

1905. 2.10-3 file-» 16 - 3 - - 5 (315350)
$a; 2a + 2; 3a + 4; \ldots$ ketma-ketlikning dastlabki
12 ta hadi yig'indisi 288 ga teng. a ning
qiymatini toping.

A) 3 **B) 2** C) 5 D) 7

1906. 2.10-3 file-» 23 - 13 - - 10 (315351)
Cheksiz kamayuvchi geometrik progressiyaning
hadlari yig'indisi 8 ga, dastlabki to'rttasiniki esa
$\dfrac{15}{2}$ ga teng. Agar uning barcha hadlari musbat
bo'lsa, progressiyaning uchinchi hadini toping.

A) 2 **B) 1** C) 4 D) 3

1907. 2.10-3 file-» 16 - 4 - - 11 (315352)
$y; 3y + 5; 5y + 10; \ldots$ arifmetik progressiyaning
dastlabki 8 ta hadi yig'indisi 268 ga teng.
y ning qiymatini toping.

A) 2 B) 3 C) 4 D) 5

1908. 2.10-3 file-» 2 - 3 - - 2 (315353)
Natural sonlar qatori har biri natural sonning
kvadrati bilan tugaydigan quyidagicha qismlarga
ajratilgan: {1}, {2,3,4}, {5,6,7,8,9},
{10,11,12,13,14,15,16}, . . .
9 -qismdagi sonlar yig'indisini toping.

A) 1121 **B) 1241** C) 1221 D) 1729

1909. 2.10-3 file-» 23 - 16 - - 1 (315354)
Arifmetik progressiyaning dastlabki to'rtta hadi
yig'indisi 124 ga, oxirgi to'rttasiniki 156 ga teng.
Progressiyaning hadlari yig'indisi 420 ga teng.
Progressiyaning nechta hadi bor?

A) 12 B) 14 C) 11 D) 10

1910. 2.10-3 file-» 19 - 2 - - 3 (315355)
Cheksiz kamayuvchi geometrik progressiyaning
yig'indisi 9 ga, maxraji esa $\dfrac{1}{3}$ ga teng. Uning
birinchi hamda to'rtinchi hadlarining ayirmasini
toping.

A) $5\dfrac{1}{3}$ B) $4\dfrac{2}{9}$ C) $5\dfrac{2}{3}$ **D) $5\dfrac{7}{9}$**

1911. 2.10-3 file-» 19 - 3 - - 9 (315356)
Olti haddan iborat geometrik progressiyaning
dastlabki uchta hadining yig'indisi 168 ga,
keyingi uchtasiniki esa 21 ga teng. Shu
progressiyaning birinchi hadini toping.

A) 86 **B) 96** C) $\dfrac{1}{2}$ D) 126

1912. 2.10-3 file-» 22 - 20 - - 6 (315357)
Arifmetik progressiyaning dastlabki sakkizta hadi
yig'indisi 32 ga, dastlabki yigirmata hadining
yig'indisi 200 ga teng. Progressiyaning dastlabki
26 ta hadining yig'indisini toping.

A) 238 B) 342 **C) 338** D) 260

1913. 2.10-3 file-» 32 - 1 - - 10 (315358)
7, 10, 13, ... arifmetik progressiyaning nechta
hadining har birini qiymati 99 dan katta,
212 dan kichik bo'ladi?

A) 33 B) 34 C) 39 **D) 38**

1914. 2.10-3 file-» 23 - 18 - - 7 (315359)
$2; b_2$ va b_3 sonlari o'suvchi geometrik
progressiyaning dastlabki uchta hadidan iborat.
Agar bu progressiyaning ikkinchi hadiga 25
qo'shilsa, hosil bo'lgan sonlar arifmetik
progressiyaning dastlabki uchta hadini tashkil
etadi. Berilgan progressiyaning maxrajini toping.

A) 3 B) 2 **C) 6** D) 5

1915. 2.10-3 file-» 32 - 2 - - 11 (315360)
Kamayuvchi geometrik progressiya tashkil
etuvchi uchta sondan uchinchisi 24 ga teng. Agar
uchinchi son o'rniga 18 soni olinsa, shu uchta son
arifmetik progressiya tashkil etadi. Birinchi sonni
toping.

A) 50 B) 63 **C) 54** D) 36

1916. 2.10-3 file-» 22 - 22 - - 11 (315361)
(b_n) geometrik progressiyada $b_4 - b_2 = 24$ va
$b_2 + b_3 = 6$ bo'lsa, b_2 ning qiymatini toping.

A) $0,4$ **B) 1** C) $1\dfrac{1}{5}$ D) $2,2$

1917. 2.10-3 file-» 19 - 5 - - 2 (315362)
Arifmetik progressiyaning birinchi va to'rtinchi
hadi yig'indisi 26 ga teng, ikkinchi hadi esa
beshinchi hadidan 6 ga ko'p. Shu progressiyaning
to'rtinchi va sakkizinchi hadi yig'indisini toping.

A) 20 B) 10 C) 22 **D) 12**

1918. 2.10-3 file-» 16 - 11 - - 11 (315363)
Arifmetik progressiyaning hadlari 60 ta. Uning
juft o'rinda turgan hadlari yig'indisi toq o'rinda
turgan hadlari yig'indisidan 10 ga ko'p.
Progressiyaning to'rtinchi hadi $4, 5$ ga teng.
Progressiyaning hadlari yig'indisini toping.

A) 900 B) 700 **C) 800** D) 1065

1919. 2.10-3 file-» 19 - 7 - - 12 (315364)
Hadlarining yig'indisi $1\dfrac{3}{5}$ ga, ikkinchi hadi $\dfrac{3}{8}$ ga
teng bo'lgan cheksiz kamayuvchi geometrik
progressiyaning maxrajini toping.

A) $\dfrac{3}{5}; \dfrac{3}{8}$ B) $\dfrac{1}{8}$ **C) $\dfrac{3}{8}; \dfrac{5}{8}$** D) $\dfrac{3}{5}$

1920.　　2.10-3 file-» 32 - 3 - - 2　　　(315365)
Arifmetik progressiyaning oltinchi hadi 10 ga, dastlabki 16 ta hadining yig'indisi 200 ga teng. Bu progressiyaning 9-hadini toping.

A) 16　B) 14　C) 18　**D) 13**

1921.　　2.10-3 file-» 23 - 22 - - 1　　　(315366)
Geometrik progressiyaning oltinchi va birinchi hadi ayirmasi 1210 ga, maxraji 3 ga teng. Shu progressiyaning dastlabki oltita hadi yig'indisini toping.

A) 1820　B) 1720　C) 1520　D) 605

1922.　　2.10-3 file-» 5 - 14 - - 3　　　(315367)
Ikkinchi hadi 6 ga teng, birinchi uchta hadining yig'indisi 26 ga teng o'suvchi geometrik progressiyaning to'rtinchi va ikkinchi hadlari ayirmasini toping.

A) 32　B) 16　C) 36　**D) 48**

1923.　　2.10-3 file-» 19 - 8 - - 6　　　(315368)
7 ga bo'lganda, qoldig'i 3 ga teng bo'ladigan barcha ikki xonali sonlarning yig'indisini toping.

A) 656　B) 776　C) 666　**D) 676**

1924.　　2.10-3 file-» 51 - 1 - -　　　(315369)
Geometrik progressiyada $b_1 + b_5 = 51$ va $b_2 + b_6 = 102$. Shu progressiyaning dastlabki yettita hadi yig'indisini toping.

A) 361　B) 765　**C) 381**　D) 399

1925.　　2.10-3 file-» 28 - 1 - -　　　(401916)
Geometrik progressiyaning dastlabki 6 ta hadi 7, b_2, b_3, b_4, b_5 va 224 bo'lsa, $b_2 - b_3 - b_4 + b_5$ ni hisoblang.

A) 42　B) 40　C) 48　D) 96

1926.　　2.10-3 file-» 28 - 2 - -　　　(401917)
Geometrik progressiyaning dastlabki 6 ta hadlari 4, a_2, a_3, a_4, a_5 va 972 bo'lsa, $a_2 + a_3 - a_4 + a_5$ ni hisoblang.

A) 254　**B) 264**　C) 348　D) 324

1927.　　2.10-3 file-» 17 - 1 - -　　　(401918)
Agar olti hadli geometrik progressiyaning dastlabki uchta hadining yig'indisi 112 ga va oxiridagi uchta hadining yig'indisi 14 ga teng bo'lsa, ikkinchi hadi nechaga teng bo'ladi?

A) 36　B) 64　C) 56　**D) 32**

1928.　　2.10-3 file-» 22 - 17 - -　　　(401919)
Arifmetik progressiyaning dastlabki 16 ta hadi yig'indisi 528 ga, oxirgi hadi (a_{16}) 63 ga teng. Shu progressiyaning ayirmasini toping.

A) 4　B) 7　C) 6　D) 5

1929.　　2.10-3 file-» 22 - 18 - -　　　(401920)
Geometrik progressiyaning birinchi hadi 1458 ga, maxraji $\frac{1}{3}$ ga teng. Shu progressiyaning dastlabki to'rtta hadi yig'indisini toping.

A) 2680　B) 840　C) 720　**D) 2160**

1930.　　2.10-3 file-» 23 - 15 - - 2　　　(401921)
Ishorasi almashinuvchi geometrik progressiyaning birinchi hadi 3 ga, uchinchi hadi 12 ga teng. Shu progressiyaning dastlabki 6 ta hadi yig'indisini toping.

A) −63　B) −20　C) −42　D) 42

1931.　　2.10-3 file-» 19 - 2 - - 3　　　(401922)
Arifmetik progressiyaning dastlabki nechta hadini olmaylik ularning yig'indisi hadlar soni kvadratining uchlanganiga teng. Shu progressiyaning sakkizinchi hadini toping.

A) 42　**B) 45**　C) 31　D) 39

1932.　　2.10-3 file-» 31 - 1 - - 8　　　(401923)
25 va 4 sonlari orasiga shu sonlar bilan arifmetik progressiya tashkil etadigan bir nechta son joylashtirildi. Agar joylashtirilgan sonlarning yig'indisi 87 ga teng bo'lsa, nechta had joylashtirilgan?

A) 11　**B) 6**　C) 9　D) 12

1933.　　2.10-3 file-» 22 - 20 - - 6　　　(401924)
O'suvchi geometrik progressiyaning dastlabki to'rtta hadi yig'indisi 45 ga, undan keyingi to'rttasiniki esa 720 ga teng. Shu progressiyaning dastlabki oltita hadi yig'indisini toping.

A) 189　B) 112　C) 63　D) 171

1934.　　2.10-3 file-» 17 - 3 - - 9　　　(401925)
2 va 94 sonlari orasiga 20 ta shunday son qo'yilganki, natijada hosil bo'lgan ketma-ketlik arifmetik progressiyani tashkil etgan. Shu progressiya hadlarining o'rta arifmetigini toping.

A) 46　**B) 48**　C) 44　D) 33, 5

1935.　　2.10-3 file-» 22 - 22 - - 9　　　(401926)
O'zidan oldingi toq natural sonlar yig'indisining $\frac{1}{9}$ qismiga teng bo'lgan natural sonni toping.

A) 36　B) 24　C) 32　D) 64

1936.　　2.10-3 file-» 19 - 6 - - 8　　　(401927)
Arifmetik progressiyaning to'rtinchi va o'n birinchi hadlari mos ravishda 15 va 43 ga teng. Shu progressiyaning uchinchi va o'ninchi hadi yig'indisini toping.

A) 60　B) 68　C) 24　**D) 50**

1937.   2.10-3 file-» 32 - 3 - - 2   (401928)
Arifmetik progressiyaning oltinchi hadi 17 ga,
dastlabki 16 ta hadining yig'indisi 392 ga teng.
Bu progressiyaning 9-hadini toping.

A) 26   B) 24   C) 18   D) 13

1938.   2.10-3 file-» 23 - 22 - - 1   (401929)
Geometrik progressiyaning oltinchi va birinchi
hadi ayirmasi 186 ga, maxraji 2 ga teng. Shu
progressiyaning dastlabki oltita hadi yig'indisini
toping.

A) 1820   **B)** 378   C) 360   D) 910

1939.   2.10-3 file-» 22 - 25 - - 9   (401930)
O'suvchi geometrik progressiyaning birinchi hadi
2 ga, yettinchi va to'rtinchi hadlarining ayirmasi
1404 ga teng. Shu progressiyaning maxrajini
toping.

A) 3   B) 2   C) 4   D) $2\sqrt{2}$

1940.   2.10-4 file-» 16 - 3 - - 5   (69010)
$a;\ 2a+2;\ 3a+4;\ \ldots$ кетма- кетликнинг
дастлабки 12 та ҳади йиғиндиси 288 га тенг.
a нинг қийматини топинг.

A) 3   **B)** 2   C) 5   D) 7

1941.   2.10-4 file-» 23 - 13 - - 10   (71102)
Чексиз камаювчи геометрик прогрессиянинг
ҳадлари йиғиндиси 8 га, дастлабки
тўрттасиники эса $\dfrac{15}{2}$ га тенг. Агар унинг
барча ҳадлари мусбат бўлса, прогрессиянинг
учинчи ҳадини топинг.

A) 2   **B)** 1   C) 4   D) 3

1942.   2.10-4 file-» 16 - 4 - - 11   (72697)
$y;\ 3y+5;\ 5y+10;\ \ldots$ арифметик прогрессиянинг
дастлабки 8 та ҳади йиғиндиси 268 га тенг.
y нинг қийматини топинг.

A) 2   B) 3   C) 4   D) 5

1943.   2.10-4 file-» 2 - 3 - - 2   (86139)
Натурал сонлар қатори ҳар бири натурал
соннинг квадрати билан тугайдиган
қуйидагича қисмларга ажратилган: {1},
{2,3,4}, {5,6,7,8,9}, {10,11,12,13,14,15,16}, ...
9 - қисмдаги сонлар йиғиндисини топинг.

A) 1121   **B)** 1241   C) 1221   D) 1729

1944.   2.10-4 file-» 23 - 16 - - 1   (86921)
Арифметик прогрессиянинг дастлабки тўртта
ҳади йиғиндиси 124 га, охирги тўрттасиники
156 га тенг. Прогрессиянинг ҳадлари
йиғиндиси 420 га тенг. Прогрессиянинг нечта
ҳади бор?

A) 12   B) 14   C) 11   D) 10

1945.   2.10-4 file-» 22 - 20 - - 6   (96069)
Арифметик прогрессиянинг дастлабки
саккизта ҳади йиғиндиси 32 га, дастлабки
йигирмата ҳадининг йиғиндиси 200 га тенг.
Прогрессиянинг дастлабки 26 та ҳадининг
йиғиндисини топинг.

A) 238   B) 342   **C)** 338   D) 260

1946.   2.10-4 file-» 23 - 18 - - 7   (115468)
2; b_2 ва b_3 сонлари ўсувчи геометрик
прогрессиянинг дастлабки учта ҳадидан
иборат. Агар бу прогрессиянинг иккинчи
ҳадига 25 қўшилса, ҳосил бўлган сонлар
арифметик прогрессиянинг дастлабки учта
ҳадини ташкил этади. Берилган
прогрессиянинг махражини топинг.

A) 3   B) 2   **C)** 6   D) 5

1947.   2.10-4 file-» 32 - 2 - - 11   (119884)
Камаювчи геометрик прогрессия ташкил
этувчи учта сондан учинчиси 24 га тенг. Агар
учинчи сон ўрнига 18 сони олинса, шу учта
сон арифметик прогрессия ташкил этади.
Биринчи сонни топинг.

A) 50   B) 63   **C)** 54   D) 36

1948.   2.10-4 file-» 16 - 11 - - 11   (135966)
Арифметик прогрессиянинг ҳадлари 60 та.
Унинг жуфт ўринда турган ҳадлари
йиғиндиси тоқ, ўринда турган ҳадлари
йиғиндисидан 10 га кўп. Прогрессиянинг
тўртинчи ҳади $4,5$ га тенг. Прогрессиянинг
ҳадлари йиғиндисини топинг.

A) 900   B) 700   **C)** 800   D) 1065

1949.   2.10-4 file-» 19 - 7 - - 12   (136869)
Ҳадларининг йиғиндиси $1\dfrac{3}{5}$ га, иккинчи ҳади
$\dfrac{3}{8}$ га тенг бўлган чексиз камаювчи геометрик
прогрессиянинг махражини топинг.

A) $\dfrac{3}{5};\ \dfrac{3}{8}$ B) $\dfrac{1}{8}$ **C)** $\dfrac{3}{8};\ \dfrac{5}{8}$ D) $\dfrac{3}{5}$

1950.   3.1-1 file-» 50 - 136 - -   (704419)
$y=(2x-3)\ln x$ funksiyaning hosilasini toping.

A) $-\dfrac{2x-3}{x}$ B) $2\ln x - \dfrac{2x-3}{x}$

C) $\dfrac{2x-3}{x}$ **D)** $2\ln x + \dfrac{2x-3}{x}$

1951.   3.1-1 file-» 50 - 136 - -   (704420)
$y=(3x-5)\ln x$ funksiyaning hosilasini toping.

A) $3\ln x + \dfrac{3x-5}{x}$ B) $-\dfrac{3x-5}{x}$

C) $3\ln x - \dfrac{3x-5}{x}$ D) $\dfrac{3x-5}{x}$

1952. 3.1-1 file-» 50 - 136 - - (704421)

$y = (4x - 7) \ln x$ funksiyaning hosilasini toping.

A) $\dfrac{4x - 7}{x}$ **B)** $4 \ln x + \dfrac{4x - 7}{x}$ C) $-\dfrac{4x - 7}{x}$

D) $4 \ln x - \dfrac{4x - 7}{x}$

1953. 3.1-1 file-» 50 - 136 - - (704422)

$y = (5x - 9) \ln x$ funksiyaning hosilasini toping.

A) $5 \ln x - \dfrac{5x - 9}{x}$ B) $\dfrac{5x - 9}{x}$

C) $5 \ln x + \dfrac{5x - 9}{x}$ D) $-\dfrac{5x - 9}{x}$

1954. 3.1-1 file-» 50 - 136 - - (704423)

$y = (6x - 11) \ln x$ funksiyaning hosilasini toping.

A) $-\dfrac{6x - 11}{x}$ B) $6 \ln x - \dfrac{6x - 11}{x}$

C) $\dfrac{6x - 11}{x}$ **D)** $6 \ln x + \dfrac{6x - 11}{x}$

1955. 3.1-1 file-» 50 - 136 - - (704424)

$y = (7x - 13) \ln x$ funksiyaning hosilasini toping.

A) $7 \ln x + \dfrac{7x - 13}{x}$ B) $-\dfrac{7x - 13}{x}$

C) $7 \ln x - \dfrac{7x - 13}{x}$ D) $\dfrac{7x - 13}{x}$

1956. 3.1-1 file-» 50 - 136 - - (704425)

$y = (2x - 5) e^x$ funksiyaning hosilasini toping.

A) $(2x - 7) e^x$ B) $2e^x$

C) $e^x + x (2x - 5) e^{x-1}$ **D)** $(2x - 3) e^x$

1957. 3.1-1 file-» 50 - 136 - - (704426)

$y = (3x - 7) e^x$ funksiyaning hosilasini toping.

A) $(3x - 4) e^x$ B) $(3x - 10)e^x$ C) $3e^x$

D) $e^x + x (3x - 7) e^{x-1}$

1958. 3.1-1 file-» 50 - 136 - - (704427)

$y = (4x - 9) e^x$ funksiyaning hosilasini toping.

A) $e^x + x (4x - 9) e^{x-1}$ **B)** $(4x - 5) e^x$

C) $(4x - 13) e^x$ D) $4e^x$

1959. 3.1-1 file-» 50 - 136 - - (704428)

$y = (5x - 11) e^x$ funksiyaning hosilasini toping.

A) $5e^x$ B) $e^x + x (5x - 11) e^{x-1}$

C) $(5x - 6) e^x$ D) $(5x - 16) e^x$

1960. 3.1-1 file-» 50 - 136 - - (704429)

$y = (6x - 13) e^x$ funksiyaning hosilasini toping.

A) $(6x - 19) e^x$ B) $6e^x$

C) $e^x + x (6x - 13) e^{x-1}$ **D)** $(6x - 7) e^x$

1961. 3.1-1 file-» 50 - 136 - - (704430)

$y = (7x - 15) e^x$ funksiyaning hosilasini toping.

A) $(7x - 8) e^x$ B) $(7x - 22) e^x$ C) $7e^x$

D) $e^x + x (7x - 15) e^{x-1}$

1962. 3.1-1 file-» 50 - 136 - - (704431)

$y = (5x - 3) \sin x$ funksiyaning hosilasini toping.

A) $5 \sin x - (5x - 3) \cos x$ B) $5 \sin x$

C) $5 \cos x$ **D)** $5 \sin x + (5x - 3) \cos x$

1963. 3.1-1 file-» 50 - 136 - - (704432)

$y = (7x - 4) \sin x$ funksiyaning hosilasini toping.

A) $7 \sin x + (7x - 4) \cos x$

B) $7 \sin x - (7x - 4) \cos x$ C) $7 \sin x$

D) $7 \cos x$

1964. 3.1-1 file-» 50 - 136 - - (704433)

$y = (9x - 5) \sin x$ funksiyaning hosilasini toping.

A) $9 \cos x$ **B)** $9 \sin x + (9x - 5) \cos x$

C) $9 \sin x - (9x - 5) \cos x$ D) $9 \sin x$

1965. 3.1-1 file-» 50 - 136 - - (704434)

$y = (11x - 6) \sin x$ funksiyaning hosilasini toping.

A) $11 \sin x$ B) $11 \cos x$

C) $11 \sin x + (11x - 6) \cos x$

D) $11 \sin x - (11x - 6) \cos x$

1966. 3.1-1 file-» 50 - 136 - - (704435)

$y = (13x - 7) \sin x$ funksiyaning hosilasini toping.

A) $13 \sin x - (13x - 7) \cos x$ B) $13 \sin x$

C) $13 \cos x$ **D)** $13 \sin x + (13x - 7) \cos x$

1967. 3.1-1 file-» 50 - 136 - - (704436)

$y = (15x - 8) \sin x$ funksiyaning hosilasini toping.

A) $15 \sin x + (15x - 8) \cos x$

B) $15 \sin x - (15x - 8) \cos x$ C) $15 \sin x$

D) $15 \cos x$

1968. 3.1-1 file-» 50 - 136 - - (704437)

$y = (7x - 3) \cos x$ funksiyaning hosilasini toping.

A) $-7 \sin x$ **B)** $7 \cos x - (7x - 3) \sin x$

C) $7 \cos x + (7x - 3) \sin x$ D) $7 \cos x$

1969. 3.1-1 file-» 50 - 136 - - (704438)

$y = (9x - 4) \cos x$ funksiyaning hosilasini toping.

A) $9 \cos x$ B) $-9 \sin x$

C) $9 \cos x - (9x - 4) \sin x$

D) $9 \cos x + (9x - 4) \sin x$

1970. 3.1-1 file-» 50 - 136 - - (704439)

$y = (11x - 5) \cos x$ funksiyaning hosilasini toping.

A) $11 \cos x + (11x - 5) \sin x$ B) $11 \cos x$

C) $-11 \sin x$ **D)** $11 \cos x - (11x - 5) \sin x$

1971. 3.1-1 file-» 50 - 136 - - (704440)

$y = (13x - 6) \cos x$ funksiyaning hosilasini toping.

A) $13 \cos x - (13x - 6) \sin x$

B) $13 \cos x + (13x - 6) \sin x$ C) $13 \cos x$

D) $-13 \sin x$

1972.   3.1-1 file-» 50 - 136 - -   (704441)
$y = (15x - 7)\cos x$ funksiyaning hosilasini toping.

A) $-15\sin x$ **B)** $15\cos x - (15x - 7)\sin x$
C) $15\cos x + (15x - 7)\sin x$ D) $15\cos x$

1973.   3.1-1 file-» 50 - 136 - -   (704442)
$y = (17x - 8)\cos x$ funksiyaning hosilasini toping.

A) $17\cos x$ B) $-17\sin x$
C) $17\cos x - (17x - 8)\sin x$
D) $17\cos x + (17x - 8)\sin x$

1974.   3.1-1 file-» 50 - 136 - -   (704443)
$y = (2x - 4)\,tgx$ funksiyaning hosilasini toping.

A) $2tgx - \dfrac{2x - 4}{\sin^2 x}$ B) $2tgx + \dfrac{2x - 4}{\sin^2 x}$

C) $2tgx + \dfrac{2x - 4}{\cos^2 x}$ D) $2tgx - \dfrac{2x - 4}{\cos^2 x}$

1975.   3.1-1 file-» 50 - 136 - -   (704444)
$y = (3x - 6)\,tgx$ funksiyaning hosilasini toping.

A) $3tgx - \dfrac{3x - 6}{\cos^2 x}$ B) $3tgx - \dfrac{3x - 6}{\sin^2 x}$

C) $3tgx + \dfrac{3x - 6}{\sin^2 x}$ **D)** $3tgx + \dfrac{3x - 6}{\cos^2 x}$

1976.   3.1-1 file-» 50 - 136 - -   (704445)
$y = (4x - 8)\,tgx$ funksiyaning hosilasini toping.

A) $4tgx + \dfrac{4x - 8}{\cos^2 x}$ B) $4tgx - \dfrac{4x - 8}{\cos^2 x}$

C) $4tgx - \dfrac{4x - 8}{\sin^2 x}$ D) $4tgx + \dfrac{4x - 8}{\sin^2 x}$

1977.   3.1-1 file-» 50 - 136 - -   (704446)
$y = (5x - 10)\,tgx$ funksiyaning hosilasini toping.

A) $5tgx + \dfrac{5x - 10}{\sin^2 x}$ **B)** $5tgx + \dfrac{5x - 10}{\cos^2 x}$

C) $5tgx - \dfrac{5x - 10}{\cos^2 x}$ D) $5tgx - \dfrac{5x - 10}{\sin^2 x}$

1978.   3.1-1 file-» 50 - 136 - -   (704447)
$y = (6x - 12)\,tgx$ funksiyaning hosilasini toping.

A) $6tgx - \dfrac{6x - 12}{\sin^2 x}$ B) $6tgx + \dfrac{6x - 12}{\sin^2 x}$

C) $6tgx + \dfrac{6x - 12}{\cos^2 x}$ D) $6tgx - \dfrac{6x - 12}{\cos^2 x}$

1979.   3.1-1 file-» 50 - 136 - -   (704448)
$y = (7x - 14)\,tgx$ funksiyaning hosilasini toping.

A) $7tgx - \dfrac{7x - 14}{\cos^2 x}$ B) $7tgx - \dfrac{7x - 14}{\sin^2 x}$

C) $7tgx + \dfrac{7x - 14}{\sin^2 x}$ **D)** $7tgx + \dfrac{7x - 14}{\cos^2 x}$

1980.   3.1-1 file-» 50 - 141 - -   (719430)
$y = (3x - 2)\ln x$ funksiyaning hosilasini toping.

A) $-\dfrac{3x - 2}{x}$ B) $3\ln x - \dfrac{3x - 2}{x}$ C) $\dfrac{3x - 2}{x}$

D) $3\ln x + \dfrac{3x - 2}{x}$

1981.   3.1-1 file-» 50 - 141 - -   (719431)
$y = (5x - 3)\ln x$ funksiyaning hosilasini toping.

A) $5\ln x + \dfrac{5x - 3}{x}$ B) $-\dfrac{5x - 3}{x}$

C) $5\ln x - \dfrac{5x - 3}{x}$ D) $\dfrac{5x - 3}{x}$

1982.   3.1-1 file-» 50 - 141 - -   (719432)
$y = (7x - 4)\ln x$ funksiyaning hosilasini toping.

A) $\dfrac{7x - 4}{x}$ **B)** $7\ln x + \dfrac{7x - 4}{x}$ C) $-\dfrac{7x - 4}{x}$

D) $7\ln x - \dfrac{7x - 4}{x}$

1983.   3.1-1 file-» 50 - 141 - -   (719433)
$y = (9x - 5)\ln x$ funksiyaning hosilasini toping.

A) $9\ln x - \dfrac{9x - 5}{x}$ B) $\dfrac{9x - 5}{x}$

C) $9\ln x + \dfrac{9x - 5}{x}$ D) $-\dfrac{9x - 5}{x}$

1984.   3.1-1 file-» 50 - 141 - -   (719434)
$y = (11x - 6)\ln x$ funksiyaning hosilasini toping.

A) $-\dfrac{11x - 6}{x}$ B) $11\ln x - \dfrac{11x - 6}{x}$

C) $\dfrac{11x - 6}{x}$ **D)** $11\ln x + \dfrac{11x - 6}{x}$

1985.   3.1-1 file-» 50 - 141 - -   (719435)
$y = (13x - 7)\ln x$ funksiyaning hosilasini toping.

A) $13\ln x + \dfrac{13x - 7}{x}$ B) $-\dfrac{13x - 7}{x}$

C) $13\ln x - \dfrac{13x - 7}{x}$ D) $\dfrac{13x - 7}{x}$

1986.   3.1-1 file-» 50 - 141 - -   (719436)
$y = (3x - 4)\,e^x$ funksiyaning hosilasini toping.

A) $(3x - 7)\,e^x$ B) $3e^x$
C) $e^x + x(3x - 4)\,e^{x-1}$ **D)** $(3x - 1)\,e^x$

1987.   3.1-1 file-» 50 - 141 - -   (719437)
$y = (5x - 7)\,e^x$ funksiyaning hosilasini toping.

A) $(5x - 2)\,e^x$ B) $(5x - 12)\,e^x$ C) $5e^x$
D) $e^x + x(5x - 7)\,e^{x-1}$

1988.   3.1-1 file-» 50 - 141 - -   (719438)
$y = (7x - 10)\,e^x$ funksiyaning hosilasini toping.

A) $e^x + x(7x - 10)\,e^{x-1}$ **B)** $(7x - 3)\,e^x$
C) $(7x - 17)\,e^x$ D) $7e^x$

1989.　　3.1-1 file-» 50 - 141 - -　　(719439)

$y = (9x - 13) e^x$ funksiyaning hosilasini toping.

A) $9e^x$　B) $e^x + x (9x - 13) e^{x-1}$

C) $(9x - 4) e^x$　D) $(9x - 22) e^x$

1990.　　3.1-1 file-» 50 - 141 - -　　(719440)

$y = (11x - 16) e^x$ funksiyaning hosilasini toping.

A) $(11x - 27) e^x$　B) $11e^x$

C) $e^x + x (11x - 16) e^{x-1}$　**D)** $(11x - 5) e^x$

1991.　　3.1-1 file-» 50 - 141 - -　　(719441)

$y = (13x - 19) e^x$ funksiyaning hosilasini toping.

A) $(13x - 6) e^x$　B) $(13x - 32) e^x$　C) $13e^x$

D) $e^x + x (13x - 19) e^{x-1}$

1992.　　3.1-1 file-» 50 - 141 - -　　(719442)

$y = (3x - 5) \sin x$ funksiyaning hosilasini toping.

A) $3 \sin x - (3x - 5) \cos x$　B) $3 \sin x$

C) $3 \cos x$　**D)** $3 \sin x + (3x - 5) \cos x$

1993.　　3.1-1 file-» 50 - 141 - -　　(719443)

$y = (4x - 7) \sin x$ funksiyaning hosilasini toping.

A) $4 \sin x + (4x - 7) \cos x$

B) $4 \sin x - (4x - 7) \cos x$　C) $4 \sin x$

D) $4 \cos x$

1994.　　3.1-1 file-» 50 - 141 - -　　(719444)

$y = (5x - 9) \sin x$ funksiyaning hosilasini toping.

A) $5 \cos x$　**B)** $5 \sin x + (5x - 9) \cos x$

C) $5 \sin x - (5x - 9) \cos x$　D) $5 \sin x$

1995.　　3.1-1 file-» 50 - 141 - -　　(719445)

$y = (6x - 11) \sin x$ funksiyaning hosilasini toping.

A) $6 \sin x$　B) $6 \cos x$

C) $6 \sin x + (6x - 11) \cos x$

D) $6 \sin x - (6x - 11) \cos x$

1996.　　3.1-1 file-» 50 - 141 - -　　(719446)

$y = (7x - 13) \sin x$ funksiyaning hosilasini toping.

A) $7 \sin x - (7x - 13) \cos x$　B) $7 \sin x$

C) $7 \cos x$　**D)** $7 \sin x + (7x - 13) \cos x$

1997.　　3.1-1 file-» 50 - 141 - -　　(719447)

$y = (8x - 15) \sin x$ funksiyaning hosilasini toping.

A) $8 \sin x + (8x - 15) \cos x$

B) $8 \sin x - (8x - 15) \cos x$　C) $8 \sin x$

D) $8 \cos x$

1998.　　3.1-1 file-» 50 - 141 - -　　(719448)

$y = (4x - 5) \cos x$ funksiyaning hosilasini toping.

A) $-4 \sin x$　**B)** $4 \cos x - (4x - 5) \sin x$

C) $4 \cos x + (4x - 5) \sin x$　D) $4 \cos x$

1999.　　3.1-1 file-» 50 - 141 - -　　(719449)

$y = (5x - 7) \cos x$ funksiyaning hosilasini toping.

A) $5 \cos x$　B) $-5 \sin x$

C) $5 \cos x - (5x - 7) \sin x$

D) $5 \cos x + (5x - 7) \sin x$

2000.　　3.1-1 file-» 50 - 141 - -　　(719450)

$y = (6x - 9) \cos x$ funksiyaning hosilasini toping.

A) $6 \cos x + (6x - 9) \sin x$　B) $6 \cos x$

C) $-6 \sin x$　**D)** $6 \cos x - (6x - 9) \sin x$

2001.　　3.1-1 file-» 50 - 141 - -　　(719451)

$y = (7x - 11) \cos x$ funksiyaning hosilasini toping.

A) $7 \cos x - (7x - 11) \sin x$

B) $7 \cos x + (7x - 11) \sin x$　C) $7 \cos x$

D) $-7 \sin x$

2002.　　3.1-1 file-» 50 - 141 - -　　(719452)

$y = (8x - 13) \cos x$ funksiyaning hosilasini toping.

A) $-8 \sin x$　**B)** $8 \cos x - (8x - 13) \sin x$

C) $8 \cos x + (8x - 13) \sin x$　D) $8 \cos x$

2003.　　3.1-1 file-» 50 - 141 - -　　(719453)

$y = (9x - 15) \cos x$ funksiyaning hosilasini toping.

A) $9 \cos x$　B) $-9 \sin x$

C) $9 \cos x - (9x - 15) \sin x$

D) $9 \cos x + (9x - 15) \sin x$

2004.　　3.1-1 file-» 50 - 141 - -　　(719454)

$y = (6x - 2) \, tgx$ funksiyaning hosilasini toping.

A) $6tgx - \dfrac{6x - 2}{\sin^2 x}$　B) $6tgx + \dfrac{6x - 2}{\sin^2 x}$

C) $6tgx + \dfrac{6x - 2}{\cos^2 x}$　D) $6tgx - \dfrac{6x - 2}{\cos^2 x}$

2005.　　3.1-1 file-» 50 - 141 - -　　(719455)

$y = (8x - 3) \, tgx$ funksiyaning hosilasini toping.

A) $8tgx - \dfrac{8x - 3}{\cos^2 x}$　B) $8tgx - \dfrac{8x - 3}{\sin^2 x}$

C) $8tgx + \dfrac{8x - 3}{\sin^2 x}$　**D)** $8tgx + \dfrac{8x - 3}{\cos^2 x}$

2006.　　3.1-1 file-» 50 - 141 - -　　(719456)

$y = (10x - 4) \, tgx$ funksiyaning hosilasini toping.

A) $10tgx + \dfrac{10x - 4}{\cos^2 x}$　B) $10tgx - \dfrac{10x - 4}{\cos^2 x}$

C) $10tgx - \dfrac{10x - 4}{\sin^2 x}$　D) $10tgx + \dfrac{10x - 4}{\sin^2 x}$

2007.　　3.1-1 file-» 50 - 141 - -　　(719457)

$y = (12x - 5) \, tgx$ funksiyaning hosilasini toping.

A) $12tgx + \dfrac{12x - 5}{\sin^2 x}$　**B)** $12tgx + \dfrac{12x - 5}{\cos^2 x}$

C) $12tgx - \dfrac{12x - 5}{\cos^2 x}$　D) $12tgx - \dfrac{12x - 5}{\sin^2 x}$

2008. 3.1-1 file-» 50 - 141 - - (719458)
$y = (14x - 6)\,tgx$ funksiyaning hosilasini toping.

A) $14tgx - \dfrac{14x - 6}{\sin^2 x}$ B) $14tgx + \dfrac{14x - 6}{\sin^2 x}$

C) $14tgx + \dfrac{14x - 6}{\cos^2 x}$ D) $14tgx - \dfrac{14x - 6}{\cos^2 x}$

2009. 3.1-1 file-» 50 - 141 - - (719459)
$y = (16x - 7)\,tgx$ funksiyaning hosilasini toping.

A) $16tgx - \dfrac{16x - 7}{\cos^2 x}$ B) $16tgx - \dfrac{16x - 7}{\sin^2 x}$

C) $16tgx + \dfrac{16x - 7}{\sin^2 x}$ **D)** $16tgx + \dfrac{16x - 7}{\cos^2 x}$

2010. 3.1-2 file-» 22 - 15 - - (36405)
$f(x) = -2sinx - \dfrac{(\sqrt{\pi})^3}{\sqrt{x}} + \dfrac{\pi}{2}$.
$f'(\pi)$ ни ҳисобланг.

A) $\dfrac{\sqrt{\pi}}{2}$ B) $-1,5$ C) $0,5$ **D)** $2,5$

2011. 3.1-2 file-» 23 - 3 - - (36540)
$f(x) = \dfrac{1}{3}x^3 - 5lnx$ функциянинг графигига
$x_0 = 2$ нуқтада ўтказилган уринманинг
бурчак коэффициентини топинг.

A) $3,5$ B) 3 C) 2 **D)** $1,5$

2012. 3.1-2 file-» 23 - 4 - - (36599)
$y = \dfrac{1}{2}x^2 - \dfrac{3}{2}lnx$ функциянинг графигига $x_0 = 2$
нуқтада ўтказилган уринманинг бурчак
коэффициентини топинг.

A) $-2,5$ B) 2 C) $1,5$ **D)** $1,25$

2013. 3.1-2 file-» 6 - 7 - - (56428)
$y = \dfrac{1}{3}x^3 + \dfrac{1}{2}x^2 - 6x$ функциянинг графигига
ўтказилган уринма x нинг қандай
қийматларида $y = -4x - 1$ тўғри чизиққа
параллель бўлади?

A) -3 ва 2 B) -4 ва 3 **C)** -2 ва 1
D) -5 ва 4

2014. 3.1-2 file-» 6 - 8 - - (56487)
$y = 2x^3 + 3x^2 - 6x$ функциянинг графигига
ўтказилган уринма x нинг қандай
қийматларида $y = 30x + 1$ тўғри чизиққа
параллель бўлади?

A) -3 ва 2 B) 1 ва 3 C) -2 ва 1
D) 2 ва -1

2015. 3.1-2 file-» 17 - 1 - - (56939)
$y = x^2 - 2x - 2,75$ даги қандай нуқтада
ўтказилган уринма $y = -4(x + 1)$ тўғри
чизиққа параллель бўлади?

A) $\left(-1; \dfrac{1}{4}\right)$ B) $(-1;\ 4)$ C) $\left(1; \dfrac{1}{4}\right)$
D) $(1;\ 4)$

2016. 3.1-2 file-» 22 - 18 - - (57040)
Агар $f(x) = 3x - 2e^{-x}$ бўлса, $f'(ln2)$ ни
ҳисобланг.

A) 1 B) 2 C) 5 **D)** 4

2017. 3.1-2 file-» 23 - 5 - - (57112)
$f(x) = -\dfrac{1}{3}x^3 - \dfrac{1}{6}x + \dfrac{1}{3}$ функциянинг $[-1; 1]$
кесмадаги энг катта ва энг кичик қийматлари
йиғиндисини ҳисобланг.

A) $-\dfrac{1}{3}$ B) 0 C) $\dfrac{1}{3}$ **D)** $\dfrac{2}{3}$

2018. 3.1-2 file-» 23 - 5 - - (57114)
$f(x) = -\dfrac{\sqrt{3}}{2}x^2 + 1$ функциянинг графигига

$x_0 = -\dfrac{1}{3}$ нуқтада ўтказилган уринманинг OX
ўқи билан ташкил қилган бурчагини топинг.

A) $30°$ B) $60°$ C) $120°$ D) $150°$

2019. 3.1-2 file-» 23 - 6 - - (57170)
$f(x) = \dfrac{\sqrt{3}}{3}x^3 - 1$ функциянинг графигига

$x_0 = \dfrac{1}{\sqrt{3}}$ нуқтада ўтказилган уринманинг OX
ўқи билан ташкил қилган бурчагини топинг.

A) $60°$ **B)** $30°$ C) $45°$ D) $120°$

2020. 3.1-2 file-» 17 - 2 - - 12 (64272)
Қайси нуқтада $y = x^2 + 2x - 8$ функциянинг
графигига ўтказилган уринма $y + 2x - 8 = 0$
тўғри чизиққа параллель бўлади?
A) $(-2; 8)$ B) $(2; 8)$ **C)** $(-2; -8)$
D) $(2; -8)$

2021. 3.1-2 file-» 23 - 15 - - 2 (64328)
Абсциссаси $x_o = 2\sqrt{3}$ бўлган нуқтадан
$f(x) = \sqrt{3}lnx$ функцияга ўтказилган уринма
$OУ$ ўқи билан қандай бурчак ташкил этади?

A) $arctg\dfrac{1}{2}$ B) $60°$ C) $30°$ **D)** $arctg2$

2022. 3.1-2 file-» 23 - 15 - - 2 (64329)
$y = 3x^4 - 4x^3 + 1$ функциянинг $[0; 2]$ кесмадаги
энг кичик қийматини топинг.

A) 0 B) -16 C) -1 D) 1

2023. 3.1-2 file-» 19 - 1 - - 3 (68369)
$y = x^2 - 5$ эгри чизиққа ўтказилган уринма
$y = 2x + 3$ тўғри чизиққа параллель. Уриниш
нуқтасининг ординатасини топинг.
A) 0 B) 2 C) 4 **D)** -4

2024. 3.1-2 file-» 2 - 2 - - 8 (69786)

$y = 2cos\frac{x}{3}$ функция графигининг $M(\frac{3\pi}{2}; \ 0)$ нуқтасига ўтказилган уринманинг тенгламасини ёзинг.

A) $y = 2$ B) $y - 1 = 0$ **C)** $y = -\frac{2}{3}x + \pi$

D) $y = x - \frac{3\pi}{2}$

2025. 3.1-2 file-» 22 - 19 - - 4 (69940)

$f(x) = \sqrt{3} \cdot sinx + cos\frac{\pi}{3} - \frac{9x^2}{2\pi}. \ \ f'(\frac{\pi}{6}) = ?$

A) $\sqrt{3}$ B) $0,5$ C) $\frac{\sqrt{3}}{2}$ **D)** 0

2026. 3.1-2 file-» 19 - 2 - - 3 (87557)

$y = lnx$ функциянинг графигига абсциссаси $x_0 = 1$ бўлган нуқтада уринма ўтказилган. Уринманинг абсциссаси 14 га тенг нуқтаси ординатасини топинг.

A) 12 **B)** 13 C) 14 D) 15

2027. 3.1-2 file-» 22 - 21 - - 4 (105950)

Агар $f(x) = e^{1-2x} \cdot cos(2x - 1)$ бўлса, $f'(\frac{1}{2})$ нинг қийматини топинг.

A) $-2e$ B) 0 **C)** -2 D) $2e$

2028. 3.1-2 file-» 22 - 22 - - 11 (122806)

Қайси тўғри чизиқ $y = 4 - x^2$ функция графигига $x_0 = -\frac{1}{2}$ нуқтада ўтказилган уринмага параллель бўлади?

A) $y = 4 - 4x$ B) $y = 2x + 8$ **C)** $y = x + 8$
D) $y = 4x + 8$

2029. 3.1-2 file-» 16 - 8 - - 3 (131415)

$f(x) = 0,5x^2 - x - 1,5$ функция графигининг абсциссаси 2 га тенг бўлган нуқтасига ўтказилган уринманинг бурчак коэффициентини топинг.

A) 1 B) 2 C) 3 D) 4

2030. 3.1-2 file-» 22 - 23 - - 6 (134317)

$f(x) = -2x^3 + 18x^2 + 12$ функция ўсадиган кесманинг узунлигини аниқланг.

A) 5 B) 4 **C)** 6 D) 4,5

2031. 3.1-2 file-» 22 - 15 - - (315370)

$f(x) = -2sinx - \frac{(\sqrt{\pi})^3}{\sqrt{x}} + \frac{\pi}{2}.$
$f'(\pi)$ ni hisoblang.

A) $\frac{\sqrt{\pi}}{2}$ B) $-1,5$ C) $0,5$ **D)** $2,5$

2032. 3.1-2 file-» 23 - 3 - - (315371)

$f(x) = \frac{1}{3}x^3 - 5lnx$ funksiyaning grafigiga $x_0 = 2$ nuqtada o'tkazilgan urinmaning burchak koeffitsiyentini toping.

A) $3,5$ B) 3 C) 2 **D)** $1,5$

2033. 3.1-2 file-» 23 - 4 - - (315372)

$y = \frac{1}{2}x^2 - \frac{3}{2}lnx$ funksiyaning grafigiga $x_0 = 2$ nuqtada o'tkazilgan urinmaning burchak koeffitsiyentini toping.

A) $-2,5$ B) 2 C) $1,5$ **D)** $1,25$

2034. 3.1-2 file-» 6 - 7 - - (315373)

$y = \frac{1}{3}x^3 + \frac{1}{2}x^2 - 6x$ funksiyaning grafigiga o'tkazilgan urinma x ning qanday qiymatlarida $y = -4x - 1$ to'g'ri chiziqqa parallel bo'ladi?

A) -3 va 2 B) -4 va 3 **C)** -2 va 1
D) -5 va 4

2035. 3.1-2 file-» 6 - 8 - - (315374)

$y = 2x^3 + 3x^2 - 6x$ funksiyaning grafigiga o'tkazilgan urinma x ning qanday qiymatlarida $y = 30x + 1$ to'g'ri chiziqqa parallel bo'ladi?

A) -3 va 2 B) 1 va 3 C) -2 va 1
D) 2 va -1

2036. 3.1-2 file-» 17 - 1 - - (315375)

$y = x^2 - 2x - 2,75$ dagi qanday nuqtada o'tkazilgan urinma $y = -4(x + 1)$ to'g'ri chiziqqa parallel bo'ladi?

A) $(-1; \ \frac{1}{4})$ B) $(-1; \ 4)$ C) $(1; \ \frac{1}{4})$
D) $(1; \ 4)$

2037. 3.1-2 file-» 22 - 18 - - (315376)

Agar $f(x) = 3x - 2e^{-x}$ bo'lsa, $f'(ln2)$ ni hisoblang.

A) 1 B) 2 C) 5 **D)** 4

2038. 3.1-2 file-» 23 - 5 - - (315377)

$f(x) = -\frac{1}{3}x^3 - \frac{1}{6}x + \frac{1}{3}$ funksiyaning $[-1; 1]$ kesmadagi eng katta va eng kichik qiymatlari yig'indisini hisoblang.

A) $-\frac{1}{3}$ B) 0 C) $\frac{1}{3}$ **D)** $\frac{2}{3}$

2039. 3.1-2 file-» 23 - 5 - - (315378)

$f(x) = -\frac{\sqrt{3}}{2}x^2 + 1$ funksiyaning grafigiga $x_0 = -\frac{1}{3}$ nuqtada o'tkazilgan urinmaning OX o'qi bilan tashkil qilgan burchagini toping.

A) $30°$ B) $60°$ C) $120°$ D) $150°$

2040. 3.1-2 file-» 23 - 6 - - (315379)

$f(x) = \dfrac{\sqrt{3}}{3}x^3 - 1$ funksiyaning grafigiga $x_0 = \dfrac{1}{\sqrt{3}}$ nuqtada o'tkazilgan urinmaning OX o'qi bilan tashkil qilgan burchagini toping.

A) $60°$ **B) $30°$**   C) $45°$ D) $120°$

2041. 3.1-2 file-» 17 - 2 - - 12 (315380)

Qaysi nuqtada $y = x^2 + 2x - 8$ funksiyaning grafigiga o'tkazilgan urinma $y + 2x - 8 = 0$ to'g'ri chiziqqa parallel bo'ladi?

A) $(-2; 8)$ B) $(2; 8)$ **C) $(-2; -8)$**
D) $(2; -8)$

2042. 3.1-2 file-» 23 - 15 - - 2 (315381)

Abssissasi $x_o = 2\sqrt{3}$ bo'lgan nuqtadan $f(x) = \sqrt{3}lnx$ funksiyaga o'tkazilgan urinma OY o'qi bilan qanday burchak tashkil etadi?

A) $arctg\dfrac{1}{2}$ B) $60°$ C) $30°$ **D) $arctg2$**

2043. 3.1-2 file-» 23 - 15 - - 2 (315382)

$y = 3x^4 - 4x^3 + 1$ funksiyaning $[0; 2]$ kesmadagi eng kichik qiymatini toping.

A) 0   B) -16 C) -1 D) 1

2044. 3.1-2 file-» 19 - 1 - - 3 (315383)

$y = x^2 - 5$ egri chiziqqa o'tkazilgan urinma $y = 2x + 3$ to'g'ri chiziqqa parallel. Urinish nuqtasining ordinatasini toping.

A) 0 B) 2 C) 4 **D) -4**

2045. 3.1-2 file-» 2 - 2 - - 8 (315384)

$y = 2cos\dfrac{x}{3}$ funksiya grafigining $M(\dfrac{3\pi}{2};\ 0)$ nuqtasiga o'tkazilgan urinmaning tenglamasini yozing.

A) $y = 2$ B) $y - 1 = 0$ **C) $y = -\dfrac{2}{3}x + \pi$**

D) $y = x - \dfrac{3\pi}{2}$

2046. 3.1-2 file-» 22 - 19 - - 4 (315385)

$f(x) = \sqrt{3} \cdot sinx + cos\dfrac{\pi}{3} - \dfrac{9x^2}{2\pi}.$ $f'(\dfrac{\pi}{6}) = ?$

A) $\sqrt{3}$ B) $0,5$ C) $\dfrac{\sqrt{3}}{2}$ **D) 0**

2047. 3.1-2 file-» 19 - 2 - - 3 (315386)

$y = lnx$ funksiyaning grafigiga abssissasi $x_0 = 1$ bo'lgan nuqtada urinma o'tkazilgan. Urinmaning abssissasi 14 ga teng nuqtasi ordinatasini toping.

A) 12 **B) 13**   C) 14 D) 15

2048. 3.1-2 file-» 22 - 21 - - 4 (315387)

Agar $f(x) = e^{1-2x} \cdot \cos(2x - 1)$ bo'lsa, $f'(\dfrac{1}{2})$ ning qiymatini toping.

A) $-2e$ B) 0 **C) -2**   D) $2e$

2049. 3.1-2 file-» 22 - 22 - - 11 (315388)

Qaysi to'g'ri chiziq $y = 4 - x^2$ funksiya grafigiga $x_0 = -\dfrac{1}{2}$ nuqtada o'tkazilgan urinmaga parallel bo'ladi?

A) $y = 4 - 4x$ B) $y = 2x + 8$
C) $y = x + 8$ D) $y = 4x + 8$

2050. 3.1-2 file-» 16 - 8 - - 3 (315389)

$f(x) = 0,5x^2 - x - 1,5$ funksiya grafigining abssissasi 2 ga teng bo'lgan nuqtasiga o'tkazilgan urinmaning burchak koeffitsiyentini toping.

A) 1   B) 2 C) 3 D) 4

2051. 3.1-2 file-» 22 - 23 - - 6 (315390)

$f(x) = -2x^3 + 18x^2 + 12$ funksiya o'sadigan kesmaning uzunligini aniqlang.

A) 5 B) 4 **C) 6**   D) $4,5$

2052. 3.1-2 file-» 50 - 14 - - (401931)

Hosilalar uchun formulalarning qaysilari to'g'ri?
1) $(x^p)' = px^{p-1}$;
2) $(a^x)' = a^x lna$;
3) $(sinx)' = -cosx$;
4) $(tgx)' = \dfrac{1}{cos^2x}$;
5) $(e^{kx+b})' = \dfrac{1}{k}e^{kx+b}$.

A) $1;\ 2;\ 4$ B) $2;\ 3;\ 4$ C) $1;\ 4;\ 5$
D) $2;\ 4;\ 5$

2053. 3.1-2 file-» 50 - 14 - - (401932)

Hosilalar uchun formulalarning qaysilari to'g'ri?
1) $(x^p)' = px^{p-1}$;
2) $(a^x)' = \dfrac{a^x}{lna}$;
3) $(sinx)' = cosx$;
4) $(tgx)' = -\dfrac{1}{cos^2x}$;
5) $(e^{kx+b})' = ke^{kx+b}$.

A) $1;\ 3;\ 4$ **B) $1;\ 3;\ 5$**   C) $2;\ 3;\ 5$
D) $1;\ 4;\ 5$

2054. 3.1-2 file-» 50 - 14 - - (401933)

Hosilalar uchun formulalarning qaysilari to'g'ri?
1) $(log_a x)' = \dfrac{x}{lna}$;
2) $(cosx)' = -sinx$;
3) $(ctgx)' = \dfrac{1}{sin^2x}$;
4) $(e^{kx+b})' = ke^{kx+b}$;
5) $(lnx)' = \dfrac{1}{x},\ x > 0$.

A) $1;\ 2;\ 4$ B) $2;\ 3;\ 5$ **C) $2;\ 4;\ 5$**
D) $1;\ 4;\ 5$

2055.   3.1-2 file-» 50 - 14 - -   (401934)
Hosilalar uchun formulalarning qaysilari to'g'ri?
1) $(log_a x)' = \dfrac{1}{x ln a}$;
2) $(cos x)' = sin x$;
3) $(ctg x)' = -\dfrac{1}{sin^2 x}$;
4) $(e^{kx+b})' = k e^{kx+b}$;
5) $(ln x)' = \dfrac{1}{x^2}$, $x > 0$.

A) 1; 3; 5   B) 2; 3; 5   C) 1; 2; 3
D) 1; 3; 4

2056.   3.1-2 file-» 50 - 14 - -   (401935)
Hosilalar uchun formulalarning qaysilari to'g'ri?
1) $(x^p)' = \dfrac{x^{p+1}}{p+1}$;
2) $(a^x)' = a^x ln a$;
3) $(cos x)' = -sin x$;
4) $(ctg x)' = \dfrac{1}{sin^2 x}$;
5) $(e^{kx+b})' = k e^{kx+b}$.

A) 2; 3; 5   B) 3; 4; 5   C) 2; 3; 4
D) 1; 3; 5

2057.   3.1-2 file-» 50 - 14 - -   (401936)
Hosilalar uchun formulalarning qaysilari to'g'ri?
1) $(x^p)' = \dfrac{x^{p+1}}{p+1}$;
2) $(log_a x)' = \dfrac{1}{x ln a}$;
3) $(sin x)' = cos x$;
4) $(ctg x)' = -\dfrac{1}{sin^2 x}$;
5) $(e^{kx+b})' = \dfrac{1}{k} e^{kx+b}$.

A) 2; 3; 4   B) 2; 3; 5   C) 1; 3; 4
D) 1; 2; 3

2058.   3.1-2 file-» 50 - 14 - -   (401937)
Hosilalar uchun formulalarning qaysilari to'g'ri?
1) $(a^x)' = a^x ln a$;
2) $(cos x)' = sin x$;
3) $(ctg x)' = -\dfrac{1}{sin^2 x}$;
4) $(e^{kx+b})' = \dfrac{1}{k} e^{kx+b}$;
5) $(ln(kx+b))' = \dfrac{k}{kx+b}$.

A) 2; 3; 5   **B)** 1; 3; 5   C) 1; 4; 5
D) 1; 2; 3

2059.   3.1-2 file-» 50 - 14 - -   (401938)
Hosilalar uchun formulalarning qaysilari to'g'ri?
1) $(log_a x)' = \dfrac{1}{x ln a}$;
2) $(cos x)' = -sin x$;
3) $(tg x)' = -\dfrac{1}{cos^2 x}$;
4) $(e^{kx+b})' = k e^{kx+b}$;
5) $(ln(kx+b))' = \dfrac{1}{k} \cdot \dfrac{1}{kx+b}$.

A) 1; 2; 5   B) 2; 4; 5   **C)** 1; 2; 4
D) 1; 3; 4

2060.   3.1-2 file-» 50 - 14 - -   (401939)
Hosilalar uchun formulalarning qaysilari to'g'ri?
1) $(x^p)' = p x^{p-1}$;
2) $(log_a x)' = \dfrac{x}{ln a}$;
3) $(sin x)' = -cos x$;
4) $(tg x)' = \dfrac{1}{cos^2 x}$;
5) $(e^{kx+b})' = k e^{kx+b}$.

A) 1; 2; 4   B) 2; 4; 5   C) 1; 3; 5
D) 1; 4; 5

2061.   3.1-2 file-» 50 - 14 - -   (401940)
Hosilalar uchun formulalarning qaysilari to'g'ri?
1) $(x^p)' = p x^{p-1}$;
2) $(log_a x)' = \dfrac{1}{x ln a}$;
3) $(cos x)' = sin x$;
4) $(tg x)' = -\dfrac{1}{cos^2 x}$;
5) $(e^{kx+b})' = k e^{kx+b}$.

A) 1; 2; 5   B) 2; 4; 5   C) 1; 3; 5
D) 2; 3; 5

2062.   3.1-2 file-» 50 - 14 - -   (401941)
Hosilalar uchun formulalarning qaysilari to'g'ri?
1) $(a^x)' = a^x ln a$;
2) $(sin x)' = cos x$;
3) $(ctg x)' = \dfrac{1}{sin^2 x}$;
4) $(e^{kx+b})' = \dfrac{1}{k} e^{kx+b}$;
5) $(ln(kx+b))' = \dfrac{k}{kx+b}$.

A) 1; 2; 5   B) 1; 2; 4   C) 2; 3; 5
D) 1; 3; 5

2063.   3.1-2 file-» 50 - 14 - -   (401942)
Hosilalar uchun formulalarning qaysilari to'g'ri?
1) $(log_a x)' = \dfrac{1}{x ln a}$;
2) $(sin x)' = -cos x$;
3) $(tg x)' = -\dfrac{1}{cos^2 x}$;
4) $(e^{kx+b})' = ke^{kx+b}$;
5) $(ln x)' = \dfrac{1}{x}$, $x > 0$.
A) 1; 2; 4   **B) 1; 4; 5**   C) 2; 4; 5
D) 1; 3; 5

2064.   3.1-2 file-» 50 - 14 - -   (401943)
Hosilalar uchun formulalarning qaysilari to'g'ri?
1) $(x^p)' = \dfrac{x^{p+1}}{p+1}$;
2) $(a^x)' = a^x ln a$;
3) $(cos x)' = sin x$;
4) $(tg x)' = \dfrac{1}{cos^2 x}$;
5) $(e^{kx+b})' = ke^{kx+b}$.
A) 1; 2; 4   B) 3; 4; 5   **C) 2; 4; 5**
D) 1; 2; 5

2065.   3.1-2 file-» 50 - 14 - -   (401944)
Hosilalar uchun formulalarning qaysilari to'g'ri?
1) $(x^p)' = \dfrac{x^{p+1}}{p+1}$;
2) $(log_a x)' = \dfrac{1}{x ln a}$;
3) $(sin x)' = cos x$;
4) $(ctg x)' = \dfrac{1}{sin^2 x}$;
5) $(e^{kx+b})' = ke^{kx+b}$.
A) 2; 3; 4   B) 1; 3; 5   C) 3; 4; 5
D) 2; 3; 5

2066.   3.1-2 file-» 50 - 14 - -   (401945)
Hosilalar uchun formulalarning qaysilari to'g'ri?
1) $(x^p)' = px^{p-1}$;
2) $(log_a x)' = \dfrac{1}{x ln a}$;
3) $(cos x)' = sin x$;
4) $(ctg x)' = -\dfrac{1}{sin^2 x}$;
5) $(e^{kx+b})' = \dfrac{1}{k} e^{kx+b}$.
A) 1; 2; 4   B) 2; 3; 4   C) 1; 3; 4
D) 1; 2; 5

2067.   3.1-2 file-» 51 - 1 - -   (719460)
$y = x^4 - 8x^2 - 9$ ning $[-1;\ 1]$ kesmadagi eng kichik qiymatini toping.
A) -9 B) 9   **C) -16**   D) 16

2068.   3.1-2 file-» 51 - 1 - -   (719461)
$f(x) = \dfrac{2x^2}{e^x}$ funksiyaning o'sish oralig'ini toping.
A) $[0;\ 2]$ B) $(-\infty;\ 0]$ C) $[2;\ \infty)$
D) $[0;\ 1]$

2069.   3.1-2 file-» 51 - 2 - -   (719462)
$y = \dfrac{1 + \cos x}{\cos x - 1}$, $y'(60°) = ?$
A) $4\sqrt{3}$ B) $2\sqrt{3}$ C) $4 + 2\sqrt{3}$
D) $4 - 2\sqrt{3}$

2070.   3.1-2 file-» 58 - 1 - -   (719463)
$y = x^3$ funksiyaning grafigiga x_1 nuqtada o'tkazilgan urinma, $y = 2\sqrt{x}$ funksiya grafigiga x_2 nuqtada o'tkazilgan urinmaga parallel. Agar $x_1 = 1$ bo'lsa, x_2 nimaga teng bo'ladi?
A) 3   **B) $\dfrac{1}{9}$**   C) $\dfrac{1}{8}$ D) $\dfrac{1}{7}$

2071.   3.1-2 file-» 23 - 2 - - 1   (719464)
$y = ln x + 5x^2$ funksiyaning grafigiga $x_0 = \dfrac{1}{4}$ nuqtada o'tkazilgan urinmaning burchak koeffitsiyentini toping.
A) 3   B) 6   C) 4   **D) $6,5$**

2072.   3.1-2 file-» 23 - 3 - - 1   (719465)
$f(x) = \dfrac{1}{3} x^3 - 5 ln x$ funksiyaning grafigiga $x_0 = 2$ nuqtada o'tkazilgan urinmaning burchak koeffitsiyentini toping.
A) $3,5$ B) 3   C) 2   **D) $1,5$**

2073.   3.1-2 file-» 23 - 4 - - 1   (719466)
$y = \dfrac{1}{2} x^2 - \dfrac{3}{2} ln x$ funksiyaning grafigiga $x_0 = 2$ nuqtada o'tkazilgan urinmaning burchak koeffitsiyentini toping.
A) $-2,5$ B) 2   C) $1,5$ **D) $1,25$**

2074.   3.1-2 file-» 6 - 7 - - 1   (719467)
$y = \dfrac{1}{3} x^3 + \dfrac{1}{2} x^2 - 6x$ funksiyaning grafigiga o'tkazilgan urinma x ning qanday qiymatlarida $y = -4x - 1$ to'g'ri chiziqqa parallel bo'ladi?
A) -3 va 2   B) -4 va 3   **C) -2 va 1**
D) -5 va 4

2075.   3.1-2 file-» 6 - 8 - - 1   (719468)
$y = 2x^3 + 3x^2 - 6x$ funksiyaning grafigiga o'tkazilgan urinma x ning qanday qiymatlarida $y = 30x + 1$ to'g'ri chiziqqa parallel bo'ladi?
A) -3 va 2   B) 1 va 3   C) -2 va 1
D) 2 va -1

2076. 3.1-2 file-» 17 - 1 - - 1 (719469)

$y = x^2 - 2x - 2,75$ dagi qanday nuqtada o'tkazilgan urinma $y = -4(x + 1)$ to'g'ri chiziqqa parallel bo'ladi?

A) $(-1; \frac{1}{4})$ B) $(-1; 4)$ C) $(1; \frac{1}{4})$

D) $(1; 4)$

2077. 3.1-2 file-» 17 - 2 - - 1 (719470)

Qaysi nuqtada $y = x^2 + 2x - 8$ funksiyaning grafigiga o'tkazilgan urinma $y + 2x - 8 = 0$ to'g'ri chiziqqa parallel bo'ladi?

A) $(-2; 8)$ B) $(2; 8)$ **C)** $(-2; -8)$
D) $(2; -8)$

2078. 3.1-2 file-» 19 - 1 - - 1 (719471)

$y = x^2 - 5$ egri chiziqqa o'tkazilgan urinma $y = 2x + 3$ to'g'ri chiziqqa parallel. Urinish nuqtasining ordinatasini toping.

A) 0   B) 2   C) 4   **D)** -4

2079. 3.1-2 file-» 23 - 16 - - 1 (719472)

$y = -\frac{1}{2}x^2 + 2x$ funksiya grafigining qaysi nuqtasiga o'tkazilgan urinma $y = -2x$ tenglama bilan berilgan to'g'ri chiziqqa parallel bo'ladi?

A) $(-4; 0)$ B) $(0; 4)$ **C)** $(4; 0)$
D) $(0; -4)$

2080. 3.1-2 file-» 17 - 3 - - 1 (719473)

$y = x^2 + ln(x - 1)$ funksiyaning grafigiga $x = 2$ nuqtada o'tkazilgan urinmaning burchak koeffitsiyentini toping.

A) 12   **B)** 5   C) 3   D) 1

2081. 3.1-2 file-» 22 - 22 - - 1 (719474)

Qaysi to'g'ri chiziq $y = 4 - x^2$ funksiya grafigiga $x_0 = -\frac{1}{2}$ nuqtada o'tkazilgan urinmaga parallel bo'ladi?

A) $y = 4 - 4x$ B) $y = 2x + 8$
C) $y = x + 8$ D) $y = 4x + 8$

2082. 3.1-3 file-» 50 - 158 - - (704449)

$y = \frac{2x}{4x - 2}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) 3   **B)** 2   C) 4   D) $\frac{4}{3}$

2083. 3.1-3 file-» 50 - 158 - - (704450)

$y = \frac{4x}{5x - 3}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\frac{25}{9}$ B) $\frac{25}{4}$ **C)** $\frac{25}{6}$ D) $\frac{25}{3}$

2084. 3.1-3 file-» 50 - 158 - - (704451)

$y = \frac{6x}{6x - 4}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\frac{27}{2}$ B) $\frac{9}{2}$ C) $\frac{81}{8}$ **D)** $\frac{27}{4}$

2085. 3.1-3 file-» 50 - 158 - - (704452)

$y = \frac{8x}{4x - 2}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) 8   B) 16   C) $\frac{16}{3}$ D) 12

2086. 3.1-3 file-» 50 - 158 - - (704453)

$y = \frac{10x}{5x - 3}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\frac{125}{8}$ **B)** $\frac{125}{12}$ C) $\frac{125}{6}$ D) $\frac{125}{18}$

2087. 3.1-3 file-» 50 - 158 - - (704454)

$y = \frac{12x}{6x - 4}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) 9   B) $\frac{81}{4}$ **C)** $\frac{27}{2}$ D) 27

2088. 3.1-3 file-» 50 - 158 - - (704455)

$y = \frac{14x}{4x - 2}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) 28   B) $\frac{28}{3}$ C) 21   **D)** 14

2089. 3.1-3 file-» 50 - 158 - - (704456)

$y = \frac{16x}{5x - 3}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\frac{50}{3}$ B) $\frac{100}{3}$ C) $\frac{100}{9}$ D) 25

2090.   3.1-3 file-» 50 - 158 - -   (704457)

$y = \dfrac{2x}{6x - 4}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{27}{8}$ **B)** $\dfrac{9}{4}$ C) $\dfrac{9}{2}$ D) $\dfrac{3}{2}$

2091.   3.1-3 file-» 50 - 158 - -   (704458)

$y = \dfrac{4x}{4x - 2}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{8}{3}$ B) 6   **C)** 4   D) 8

2092.   3.1-3 file-» 50 - 158 - -   (704459)

$y = \dfrac{6x}{5x - 3}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{25}{2}$ B) $\dfrac{25}{6}$ C) $\dfrac{75}{8}$ **D)** $\dfrac{25}{4}$

2093.   3.1-3 file-» 50 - 158 - -   (704460)

$y = \dfrac{8x}{6x - 4}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) 9   B) 18   C) 6   D) $\dfrac{27}{2}$

2094.   3.1-3 file-» 50 - 158 - -   (704461)

$y = \dfrac{10x}{4x - 2}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) 15   **B)** 10   C) 20   D) $\dfrac{20}{3}$

2095.   3.1-3 file-» 50 - 158 - -   (704462)

$y = \dfrac{12x}{5x - 3}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{25}{3}$ B) $\dfrac{75}{4}$ **C)** $\dfrac{25}{2}$ D) 25

2096.   3.1-3 file-» 50 - 158 - -   (704463)

$y = \dfrac{14x}{6x - 4}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{63}{2}$ B) $\dfrac{21}{2}$ C) $\dfrac{189}{8}$ **D)** $\dfrac{63}{4}$

2097.   3.1-3 file-» 50 - 158 - -   (704464)

$y = 5 - \sqrt{2x + 3}$ funksiyaning grafigiga $x_0 = 3$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{27}{2}$ B) 27   C) $\dfrac{81}{8}$ D) $\dfrac{81}{4}$

2098.   3.1-3 file-» 50 - 158 - -   (704465)

$y = 3 - \sqrt{3x + 1}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{49}{24}$ B) $\dfrac{49}{12}$ C) $\dfrac{49}{32}$ D) $\dfrac{49}{16}$

2099.   3.1-3 file-» 50 - 158 - -   (704466)

$y = 4 - \sqrt{4x + 1}$ funksiyaning grafigiga $x_0 = 2$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{49}{12}$ B) $\dfrac{49}{6}$ C) $\dfrac{49}{16}$ D) $\dfrac{49}{8}$

2100.   3.1-3 file-» 50 - 158 - -   (704467)

$y = 4 - \sqrt{3x + 3}$ funksiyaning grafigiga $x_0 = 2$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) 4   B) 8   C) 3   D) 6

2101.   3.1-3 file-» 50 - 158 - -   (704468)

$y = 4 - \sqrt{4x + 5}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{25}{12}$ B) $\dfrac{25}{6}$ C) $\dfrac{25}{16}$ D) $\dfrac{25}{8}$

2102.   3.1-3 file-» 50 - 158 - -   (704469)

$y = 4 - \sqrt{6x + 3}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) 2   B) 4   C) $\dfrac{3}{2}$ D) 3

2103. 3.1-3 file-» 50 - 158 - - (704470)

$y = 4 - \sqrt{2x + 5}$ funksiyaning grafigiga $x_0 = 2$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{25}{6}$ B) $\dfrac{25}{3}$ C) $\dfrac{25}{8}$ D) $\dfrac{25}{4}$

2104. 3.1-3 file-» 50 - 158 - - (704471)

$y = 5 - \sqrt{8x + 1}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{25}{6}$ B) $\dfrac{25}{3}$ C) $\dfrac{25}{8}$ D) $\dfrac{25}{4}$

2105. 3.1-3 file-» 50 - 158 - - (704472)

$y = 4 - \sqrt{10x - 1}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{32}{15}$ B) $\dfrac{64}{15}$ C) $\dfrac{8}{5}$ D) $\dfrac{16}{5}$

2106. 3.1-3 file-» 50 - 158 - - (704473)

$y = 6 - \sqrt{10x + 5}$ funksiyaning grafigiga $x_0 = 2$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{9}{2}$ B) 9   C) $\dfrac{27}{8}$ D) $\dfrac{27}{4}$

2107. 3.1-3 file-» 51 - 1 - - (719475)

Uchlari $y = \dfrac{x^4}{4} - 2x^2$ funksiyaning ekstremum nuqtalarida yotuvchi uchburchakning yuzini toping.

A) *8*   B) *16*   C) *4*   D) *12*

2108. 3.1-3 file-» 50 - 162 - - (719476)

$y = 4x - x^2$ funksiyaning grafigiga $x_0 = 3$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{243}{8}$ **B)** $\dfrac{81}{4}$ C) $\dfrac{81}{2}$ D) $\dfrac{27}{2}$

2109. 3.1-3 file-» 50 - 162 - - (719477)

$y = 3x - x^2$ funksiyaning grafigiga $x_0 = 2$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{16}{3}$ B) 12   **C)** 8   D) 16

2110. 3.1-3 file-» 50 - 162 - - (719478)

$y = 6x - x^2$ funksiyaning grafigiga $x_0 = 4$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) 128   B) $\dfrac{128}{3}$ C) 96   **D)** 64

2111. 3.1-3 file-» 50 - 162 - - (719479)

$y = 5x - x^2$ funksiyaning grafigiga $x_0 = 3$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{81}{2}$ B) 81   C) 27   D) $\dfrac{243}{4}$

2112. 3.1-3 file-» 50 - 162 - - (719480)

$y = 6x - x^2$ funksiyaning grafigiga $x_0 = 5$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{1875}{16}$ **B)** $\dfrac{625}{8}$ C) $\dfrac{625}{4}$ D) $\dfrac{625}{12}$

2113. 3.1-3 file-» 50 - 162 - - (719481)

$y = 5x - x^2$ funksiyaning grafigiga $x_0 = 4$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{256}{9}$ B) 64   **C)** $\dfrac{128}{3}$ D) $\dfrac{256}{3}$

2114. 3.1-3 file-» 50 - 162 - - (719482)

$y = 8x - x^2$ funksiyaning grafigiga $x_0 = 5$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{625}{2}$ B) $\dfrac{625}{6}$ C) $\dfrac{1875}{8}$ **D)** $\dfrac{625}{4}$

2115. 3.1-3 file-» 50 - 162 - - (719483)

$y = 7x - x^2$ funksiyaning grafigiga $x_0 = 4$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) 128   B) 256   C) $\dfrac{256}{3}$ D) 192

2116. 3.1-3 file-» 50 - 162 - - (719484)

$y = 8x - x^2$ funksiyaning grafigiga $x_0 = 6$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) 243   **B)** 162   C) 324   D) 108

2117.   3.1-3 file-» 50 - 162 - -   (719485)
$y = 9x - x^2$ funksiyaning grafigiga $x_0 = 5$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

A) $\dfrac{625}{3}$ B) $\dfrac{1875}{4}$ **C)** $\dfrac{625}{2}$ D) 625

2118.   3.2-1 file-» 6 - 3 - -   (14026)
$f(x) = x^3$ функциянинг $(2; 3)$ нуқтадан ўтувчи бошланғич функциясини топинг.

A) $\dfrac{x^4}{4} - 1$ B) $\dfrac{x^2}{2} + 1$ C) $\dfrac{x^4}{4} - 3$

D) $\dfrac{x^4}{2} + 3$

2119.   3.2-1 file-» 6 - 4 - -   (14078)
$f(x) = x^2$ функциянинг $(3; 5)$ нуқтадан ўтувчи бошланғич функциясини топинг.

A) $\dfrac{x^3}{3} + 7$ B) $\dfrac{x^3}{3} - 7$ **C)** $\dfrac{x^3}{3} - 4$

D) $2x + 4$

2120.   3.2-1 file-» 6 - 5 - -   (14130)
$f(x) = x - \dfrac{x^2}{2}$ функциянинг $(6; 2)$ нуқтадан ўтувчи бошланғич функциясини топинг.

A) $\dfrac{x^2}{2} + \dfrac{x^3}{6} - 56$ **B)** $\dfrac{x^2}{2} - \dfrac{x^3}{6} + 20$

C) $\dfrac{x^2}{2} - \dfrac{x^3}{6} - 18$ D) $\dfrac{x^2}{2} - \dfrac{x^3}{6} + 18$

2121.   3.2-1 file-» 6 - 6 - -   (14182)
$f(x) = -x + \dfrac{x^2}{2}$ функциянинг $(6; 2)$ нуқтадан ўтувчи бошланғич функциясини топинг.

A) $-\dfrac{x^2}{2} + \dfrac{x^3}{6} - 16$ B) $-\dfrac{x^2}{2} + \dfrac{x^3}{6} - 18$

C) $-\dfrac{x^2}{2} + \dfrac{x^3}{6} + 16$ D) $-\dfrac{x^2}{2} + \dfrac{x^3}{6} + 18$

2122.   3.2-1 file-» 23 - 2 - -   (36482)
$F(x) = 5tgx + 3x + C$ қуйидаги функциялардан қайси бирининг бошланғич функцияси?

A) $y = -\dfrac{5}{sin^2x} + 3$ B) $y = \dfrac{5}{sin^2x} + 3$

C) $y = \dfrac{5}{cos^2x} + 3$ D) $y = -\dfrac{5}{cos^2x} + 3$

2123.   3.2-1 file-» 23 - 3 - -   (36541)
$F(x) = 2ctgx - x + C$ қуйидаги функциялардан қайси бирининг бошланғич функцияси?

A) $f(x) = -\dfrac{2}{sin^2x} - 1$ B) $f(x) = \dfrac{2}{cos^2x} - 1$

C) $f(x) = -\dfrac{2}{cos^2x} - 1$ D) $f(x) = \dfrac{2}{sin^2x} + 1$

2124.   3.2-1 file-» 23 - 4 - -   (36600)
$F(x) = -3ctgx - 2x + C$ функция қуйидаги функциялардан қайси бирининг бошланғич функцияси бўлади?

A) $f(x) = -\dfrac{3}{sin^2x} + 2$ B) $f(x) = \dfrac{3}{cos^2x} - 2$

C) $f(x) = \dfrac{3}{sin^2x} - 2$ D) $f(x) = -\dfrac{3}{cos^2x} + 2$

2125.   3.2-1 file-» 22 - 17 - -   (56983)
$y = e^{2-3x}$ функциянинг бошланғич функциясини кўрсатинг.

A) $\dfrac{1}{3}e^{2-3x} + C$ B) $e^{2-3x} + C$

C) $-3e^{2-3x} + C$ **D)** $-\dfrac{1}{3}e^{2-3x} + C$

2126.   3.2-1 file-» 22 - 18 - -   (57043)
$y = \dfrac{-3}{e^x}$ функциянинг бошланғич функциясини топинг.

A) $\dfrac{3}{e^x} + C$ B) $3lnx + C$ C) $\dfrac{1}{3}e^{-x} + C$

D) $\dfrac{1}{3e^x} + C$

2127.   3.2-1 file-» 23 - 6 - -   (57169)
$f(x) = x^3 + 3x - 5$ функциянинг $[-1; 1]$ кесмадаги энг катта ва энг кичик қийматлари орасидаги айирмани топинг.

A) -6 B) 6   C) -5 **D) 8**

2128.   3.2-1 file-» 6 - 3 - -   (315391)
$f(x) = x^3$ funksiyaning $(2; 3)$ nuqtadan o'tuvchi boshlang'ich funksiyasini toping.

A) $\dfrac{x^4}{4} - 1$ B) $\dfrac{x^2}{2} + 1$ C) $\dfrac{x^4}{4} - 3$

D) $\dfrac{x^4}{2} + 3$

2129.   3.2-1 file-» 6 - 4 - -   (315392)
$f(x) = x^2$ funksiyaning $(3; 5)$ nuqtadan o'tuvchi boshlang'ich funksiyasini toping.

A) $\dfrac{x^3}{3} + 7$ B) $\dfrac{x^3}{3} - 7$ **C)** $\dfrac{x^3}{3} - 4$

D) $2x + 4$

2130.   3.2-1 file-» 6 - 5 - -   (315393)
$f(x) = x - \dfrac{x^2}{2}$ funksiyaning $(6; 2)$ nuqtadan o'tuvchi boshlang'ich funksiyasini toping.

A) $\dfrac{x^2}{2} + \dfrac{x^3}{6} - 56$ **B)** $\dfrac{x^2}{2} - \dfrac{x^3}{6} + 20$

C) $\dfrac{x^2}{2} - \dfrac{x^3}{6} - 18$ D) $\dfrac{x^2}{2} - \dfrac{x^3}{6} + 18$

2131. 3.2-1 file-» 6 - 6 - - (315394)

$f(x) = -x + \dfrac{x^2}{2}$ funksiyaning $(6; 2)$ nuqtadan o'tuvchi boshlang'ich funksiyasini toping.

A) $-\dfrac{x^2}{2} + \dfrac{x^3}{6} - 16$ B) $-\dfrac{x^2}{2} + \dfrac{x^3}{6} - 18$

C) $-\dfrac{x^2}{2} + \dfrac{x^3}{6} + 16$ D) $-\dfrac{x^2}{2} + \dfrac{x^3}{6} + 18$

2132. 3.2-1 file-» 23 - 2 - - (315395)

$F(x) = 5tgx + 3x + C$ quyidagi funksiyalardan qaysi birining boshlang'ich funksiyasi?

A) $y = -\dfrac{5}{sin^2 x} + 3$ B) $y = \dfrac{5}{sin^2 x} + 3$

C) $y = \dfrac{5}{cos^2 x} + 3$ D) $y = -\dfrac{5}{cos^2 x} + 3$

2133. 3.2-1 file-» 23 - 3 - - (315396)

$F(x) = 2ctgx - x + C$ quyidagi funksiyalardan qaysi birining boshlang'ich funksiyasi?

A) $f(x) = -\dfrac{2}{sin^2 x} - 1$ B) $f(x) = \dfrac{2}{cos^2 x} - 1$

C) $f(x) = -\dfrac{2}{cos^2 x} - 1$ D) $f(x) = \dfrac{2}{sin^2 x} + 1$

2134. 3.2-1 file-» 23 - 4 - - (315397)

$F(x) = -3ctgx - 2x + C$ funksiya quyidagi funksiyalardan qaysi birining boshlang'ich funksiyasi bo'ladi?

A) $f(x) = -\dfrac{3}{sin^2 x} + 2$ B) $f(x) = \dfrac{3}{cos^2 x} - 2$

C) $f(x) = \dfrac{3}{sin^2 x} - 2$ D) $f(x) = -\dfrac{3}{cos^2 x} + 2$

2135. 3.2-1 file-» 22 - 17 - - (315398)

$y = e^{2-3x}$ funksiyaning boshlang'ich funksiyasini ko'rsating.

A) $\dfrac{1}{3}e^{2-3x} + C$ B) $e^{2-3x} + C$

C) $-3e^{2-3x} + C$ **D)** $-\dfrac{1}{3}e^{2-3x} + C$

2136. 3.2-1 file-» 22 - 18 - - (315399)

$y = \dfrac{-3}{e^x}$ funksiyaning boshlang'ich funksiyasini toping.

A) $\dfrac{3}{e^x} + C$ B) $3lnx + C$ C) $\dfrac{1}{3}e^{-x} + C$

D) $\dfrac{1}{3e^x} + C$

2137. 3.2-1 file-» 23 - 6 - - (315400)

$f(x) = x^3 + 3x - 5$ funksiyaning $[-1; 1]$ kesmadagi eng katta va eng kichik qiymatlari orasidagi ayirmani toping.

A) -6 B) 6 C) -5 **D)** 8

2138. 3.2-1 file-» 50 - 15 - - (401946)

Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?

1) $f(x) = x^p, \ p \neq -1$ $F(x) = \dfrac{x^{p+1}}{p+1} + C$

2) $f(x) = \dfrac{1}{x}, \ x > 0$ $F(x) = -\dfrac{1}{x^2} + C$

3) $f(x) = e^{kx+b}, \ k \neq 0$ $F(x) = \dfrac{1}{k}e^{kx+b} + C$

4) $f(x) = sin(kx + b), \ k \neq 0$ $F(x) = -kcos(kx + b) + C$

5) $f(x) = e^{2x} - cos\dfrac{x}{3}$ $F(x) = \dfrac{1}{2}e^{2x} - 3sin\dfrac{x}{3} + C$

A) 1; 3; 5   B) 1; 2; 3   C) 3; 4; 5

D) 1; 2; 5

2139. 3.2-1 file-» 50 - 15 - - (401947)

Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?

1) $f(x) = x^p, \ p \neq -1$ $F(x) = px^{p+1} + C$

2) $f(x) = \dfrac{1}{x}, \ x > 0$ $F(x) = lnx + C$

3) $f(x) = e^{kx+b}, \ k \neq 0$ $F(x) = ke^{kx+b} + C$

4) $f(x) = sin(kx + b), \ k \neq 0$ $F(x) = -\dfrac{1}{k}cos(kx + b) + C$

5) $f(x) = e^{\frac{x}{2}} + sin3x$ $F(x) = 2e^{\frac{x}{2}} - \dfrac{1}{3}cos3x + C$

A) 1; 2; 4   **B)** 2; 4; 5   C) 3; 4; 5

D) 1; 2; 5

2140. 3.2-1 file-» 50 - 15 - - (401948)

Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?

1) $f(x) = (kx + b)^p, \ p \neq -1, \ k \neq 0$ $F(x) = \dfrac{(kx+b)^{p+1}}{k(p+1)} + C$

2) $f(x) = \dfrac{1}{kx+b}, \ k \neq 0, \ kx+b > 0$ $F(x) = \dfrac{1}{k}ln(kx + b) + C$

3) $f(x) = e^{kx+b}, \ k \neq 0$ $F(x) = ke^{kx+b} + C$

4) $f(x) = cos(kx + b), \ k \neq 0$ $F(x) = \dfrac{1}{k}sin(kx + b) + C$

5) $f(x) = e^{2x} - cos\dfrac{x}{3}$ $F(x) = 2e^{2x} - \dfrac{1}{3}sin\dfrac{x}{3} + C$

A) 1; 2; 5   B) 2; 4; 5   **C)** 1; 2; 4

D) 1; 3; 4

2141. 3.2-1 file-» 50 - 15 - - (401949)

Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?

1) $f(x) = x^p, \ p \neq -1$ $F(x) = \dfrac{x^{p+1}}{p+1} + C$

2) $f(x) = \dfrac{1}{kx+b}, \ k \neq 0, \ kx+b > 0$ $F(x) = kln(kx + b) + C$

3) $f(x) = e^{kx+b}, \ k \neq 0$ $F(x) = \dfrac{1}{k}e^{kx+b} + C$

4) $f(x) = sin(kx + b), \ k \neq 0$ $F(x) = -\dfrac{1}{k}cos(kx + b) + C$

5) $f(x) = e^{\frac{x}{2}} + sin3x$ $F(x) = \dfrac{1}{2}e^{\frac{x}{2}} + 3cos3x + C$

A) 1; 3; 5   B) 2; 3; 4   C) 1; 4; 5

D) 1; 3; 4

2142.　　3.2-1 file-» 50 - 15 - -　　　　(401950)

Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?

1) $f(x)=(kx+b)^p,\ p\neq-1,\ k\neq0$　　$F(x)=kp(kx+b)^{p-1}+C$

2) $f(x)=\dfrac{1}{x},\ x>0$　　　　　　$F(x)=lnx+C$

3) $f(x)=e^{kx+b},\ k\neq0$　　　　　$F(x)=\dfrac{1}{k}e^{kx+b}+C$

4) $f(x)=cos(kx+b),\ k\neq0$　　$F(x)=ksin(kx+b)+C$

5) $f(x)=e^{2x}-cos\dfrac{x}{3}$　　　　$F(x)=\dfrac{1}{2}e^{2x}-3sin\dfrac{x}{3}+C$

A) 2; 3; 5　　B) 1; 3; 5　　C) 2; 4; 5
D) 2; 3; 4

2143.　　3.2-1 file-» 50 - 15 - -　　　　(401951)

Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?

1) $f(x)=x^p,\ p\neq-1$　　　　　$F(x)=px^{p+1}+C$

2) $f(x)=\dfrac{1}{kx+b},\ k\neq0,\ kx+b>0$　$F(x)=\dfrac{1}{k}ln(kx+b)+C$

3) $f(x)=e^{kx+b},\ k\neq0$　　　　　$F(x)=\dfrac{1}{k}e^{kx+b}+C$

4) $f(x)=sin(kx+b),\ k\neq0$　　$F(x)=-\dfrac{1}{k}cos(kx+b)+C$

5) $f(x)=e^{\frac{x}{2}}+sin3x$　　　　$F(x)=\dfrac{1}{2}e^{\frac{x}{2}}+3cos3x+C$

A) 2; 3; 4　　B) 1; 2; 3　　C) 3; 4; 5
D) 1; 2; 4

2144.　　3.2-1 file-» 50 - 15 - -　　　　(401952)

Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?

1) $f(x)=(kx+b)^p,\ p\neq-1,\ k\neq0$　$F(x)=\dfrac{(kx+b)^{p+1}}{k(p+1)}+C$

2) $f(x)=\dfrac{1}{x},\ x>0$　　　　　　$F(x)=lnx+C$

3) $f(x)=e^{kx+b},\ k\neq0$　　　　　$F(x)=\dfrac{1}{k}e^{kx+b}+C$

4) $f(x)=sin(kx+b),\ k\neq0$　　$F(x)=-kcos(kx+b)+C$

5) $f(x)=e^{2x}-cos\dfrac{x}{3}$　　　　$F(x)=2e^{2x}-\dfrac{1}{3}sin\dfrac{x}{3}+C$

A) 1; 2; 4　　**B)** 1; 2; 3　　C) 2; 3; 5
D) 1; 3; 4

2145.　　3.2-1 file-» 50 - 15 - -　　　　(401953)

Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?

1) $f(x)=x^p,\ p\neq-1$　　　　　$F(x)=\dfrac{x^{p+1}}{p+1}+C$

2) $f(x)=\dfrac{1}{x},\ x>0$　　　　　$F(x)=-\dfrac{1}{x^2}+C$

3) $f(x)=e^{kx+b},\ k\neq0$　　　　$F(x)=ke^{kx+b}+C$

4) $f(x)=cos(kx+b),\ k\neq0$　　$F(x)=\dfrac{1}{k}sin(kx+b)+C$

5) $f(x)=e^{\frac{x}{2}}+sin3x$　　　　$F(x)=2e^{\frac{x}{2}}-\dfrac{1}{3}cos3x+C$

A) 1; 3; 4　　B) 2; 4; 5　　**C)** 1; 4; 5
D) 1; 2; 4

2146.　　3.2-1 file-» 50 - 15 - -　　　　(401954)

Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?

1) $f(x)=(kx+b)^p,\ p\neq-1,\ k\neq0$　$F(x)=kp(kx+b)^{p-1}+C$

2) $f(x)=\dfrac{1}{kx+b},\ k\neq0,\ kx+b>0$　$F(x)=\dfrac{1}{k}ln(kx+b)+C$

3) $f(x)=e^{kx+b},\ k\neq0$　　　　　$F(x)=\dfrac{1}{k}e^{kx+b}+C$

4) $f(x)=cos(kx+b),\ k\neq0$　　$F(x)=\dfrac{1}{k}sin(kx+b)+C$

5) $f(x)=e^{\frac{x}{2}}+sin3x$　　　　$F(x)=\dfrac{1}{2}e^{\frac{x}{2}}+3cos3x+C$

A) 1; 2; 3　　B) 3; 4; 5　　C) 1; 2; 4
D) 2; 3; 4

2147.　　3.2-1 file-» 50 - 15 - -　　　　(401955)

Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?

1) $f(x)=x^p,\ p\neq-1$　　　　　$F(x)=px^{p+1}+C$

2) $f(x)=\dfrac{1}{kx+b},\ k\neq0,\ kx+b>0$　$F(x)=kln(kx+b)+C$

3) $f(x)=e^{kx+b},\ k\neq0$　　　　　$F(x)=\dfrac{1}{k}e^{kx+b}+C$

4) $f(x)=sin(kx+b),\ k\neq0$　　$F(x)=-\dfrac{1}{k}cos(kx+b)+C$

5) $f(x)=e^{2x}-cos\dfrac{x}{3}$　　　　$F(x)=\dfrac{1}{2}e^{2x}-3sin\dfrac{x}{3}+C$

A) 3; 4; 5　　B) 2; 4; 5　　C) 1; 3; 5
D) 2; 3; 4

2148.　　3.2-1 file-» 50 - 15 - -　　　　(401956)

Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?

1) $f(x)=x^p,\ p\neq-1$　　　　　$F(x)=\dfrac{x^{p+1}}{p+1}+C$

2) $f(x)=\dfrac{1}{x},\ x>0$　　　　　$F(x)=lnx+C$

3) $f(x)=e^{kx+b},\ k\neq0$　　　　$F(x)=ke^{kx+b}+C$

4) $f(x)=cos(kx+b),\ k\neq0$　　$F(x)=ksin(kx+b)+C$

5) $f(x)=e^{\frac{x}{2}}+sin3x$　　　　$F(x)=2e^{\frac{x}{2}}-\dfrac{1}{3}cos3x+C$

A) 1; 2; 5　　B) 1; 2; 3　　C) 2; 3; 5
D) 1; 3; 5

2149.　　3.2-1 file-» 50 - 15 - -　　　　(401957)

Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?

1) $f(x)=(kx+b)^p,\ p\neq-1,\ k\neq0$　$F(x)=\dfrac{(kx+b)^{p+1}}{k(p+1)}+C$

2) $f(x)=\dfrac{1}{x},\ x>0$　　　　　$F(x)=-\dfrac{1}{x^2}+C$

3) $f(x)=e^{kx+b},\ k\neq0$　　　　$F(x)=ke^{kx+b}+C$

4) $f(x)=cos(kx+b),\ k\neq0$　　$F(x)=\dfrac{1}{k}sin(kx+b)+C$

5) $f(x)=e^{2x}-cos\dfrac{x}{3}$　　　　$F(x)=\dfrac{1}{2}e^{2x}-3sin\dfrac{x}{3}+C$

A) 1; 2; 4　　**B)** 1; 4; 5　　C) 3; 4; 5
D) 1; 3; 5

2150.   3.2-1 file-» 50 - 15 - -   (401958)
Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?
1) $f(x)=(kx+b)^p, \ p\neq-1, \ k\neq0 \quad F(x)=kp(kx+b)^{p-1}+C$
2) $f(x)=\dfrac{1}{x}, \ x>0 \qquad\qquad F(x)=lnx+C$
3) $f(x)=e^{kx+b}, \ k\neq0 \qquad\qquad F(x)=ke^{kx+b}+C$
4) $f(x)=sin(kx+b), \ k\neq0 \qquad F(x)=-\dfrac{1}{k}cos(kx+b)+C$
5) $f(x)=e^{\frac{x}{2}}+sin3x \qquad\qquad F(x)=2e^{\frac{x}{2}}-\dfrac{1}{3}cos3x+C$

A) 1; 2; 4   B) 3; 4; 5   **C) 2; 4; 5**
D) 1; 2; 5

2151.   3.2-1 file-» 50 - 15 - -   (401959)
Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?
1) $f(x)=x^p, \ p\neq-1 \qquad\qquad F(x)=px^{p+1}+C$
2) $f(x)=\dfrac{1}{kx+b}, \ k\neq0, \ kx+b>0 \quad F(x)=\dfrac{1}{k}ln(kx+b)+C$
3) $f(x)=e^{kx+b}, \ k\neq0 \qquad\qquad F(x)=\dfrac{1}{k}e^{kx+b}+C$
4) $f(x)=cos(kx+b), \ k\neq0 \qquad F(x)=ksin(kx+b)+C$
5) $f(x)=e^{2x}-cos\dfrac{x}{3} \qquad\qquad F(x)=\dfrac{1}{2}e^{2x}-3sin\dfrac{x}{3}+C$

A) 2; 3; 4   B) 1; 3; 5   C) 2; 4; 5
D) 2; 3; 5

2152.   3.2-1 file-» 50 - 15 - -   (401960)
Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?
1) $f(x)=x^p, \ p\neq-1 \qquad\qquad F(x)=\dfrac{x^{p+1}}{p+1}+C$
2) $f(x)=\dfrac{1}{kx+b}, \ k\neq0, \ kx+b>0 \quad F(x)=kln(kx+b)+C$
3) $f(x)=e^{kx+b}, \ k\neq0 \qquad\qquad F(x)=ke^{kx+b}+C$
4) $f(x)=sin(kx+b), \ k\neq0 \qquad F(x)=-\dfrac{1}{k}cos(kx+b)+C$
5) $f(x)=e^{2x}-cos\dfrac{x}{3} \qquad\qquad F(x)=\dfrac{1}{2}e^{2x}-3sin\dfrac{x}{3}+C$

A) 1; 4; 5   B) 2; 4; 5   C) 1; 2; 4
D) 1; 2; 5

2153.   3.2-1 file-» 50 - 150 - -   (704474)
$y=e^{8x}+\cos 3x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{8}e^{8x}-\dfrac{1}{3}\sin 3x$ B) $8e^{8x}+3\sin 3x$

C) $\dfrac{1}{8}e^{8x}+\dfrac{1}{3}\sin 3x$ D) $8e^{8x}-3\sin 3x$

2154.   3.2-1 file-» 50 - 150 - -   (704475)
$y=e^{7x}+\cos 4x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $7e^{7x}-4\sin 4x$ B) $\dfrac{1}{7}e^{7x}-\dfrac{1}{4}\sin 4x$

C) $7e^{7x}+4\sin 4x$ **D) $\dfrac{1}{7}e^{7x}+\dfrac{1}{4}\sin 4x$**

2155.   3.2-1 file-» 50 - 150 - -   (704476)
$y=e^{6x}+\cos 5x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{6}e^{6x}+\dfrac{1}{5}\sin 5x$ B) $6e^{6x}-5\sin 5x$

C) $\dfrac{1}{6}e^{6x}-\dfrac{1}{5}\sin 5x$ D) $6e^{6x}+5\sin 5x$

2156.   3.2-1 file-» 50 - 150 - -   (704477)
$y=e^{5x}+\cos 6x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $5e^{5x}+6\sin 6x$ **B) $\dfrac{1}{5}e^{5x}+\dfrac{1}{6}\sin 6x$**

C) $5e^{5x}-6\sin 6x$ D) $\dfrac{1}{5}e^{5x}-\dfrac{1}{6}\sin 6x$

2157.   3.2-1 file-» 50 - 150 - -   (704478)
$y=e^{4x}+\cos 7x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{4}e^{4x}-\dfrac{1}{7}\sin 7x$ B) $4e^{4x}+7\sin 7x$

C) $\dfrac{1}{4}e^{4x}+\dfrac{1}{7}\sin 7x$ D) $4e^{4x}-7\sin 7x$

2158.   3.2-1 file-» 50 - 150 - -   (704479)
$y=e^{9x}-\cos 4x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{9}e^{9x}-\dfrac{1}{4}\sin 4x$ B) $9e^{9x}-4\sin 4x$

C) $\dfrac{1}{9}e^{9x}+\dfrac{1}{4}\sin 4x$ D) $9e^{9x}+4\sin 4x$

2159.   3.2-1 file-» 50 - 150 - -   (704480)
$y=e^{8x}-\cos 5x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $8e^{8x}+5\sin 5x$ **B) $\dfrac{1}{8}e^{8x}-\dfrac{1}{5}\sin 5x$**

C) $8e^{8x}-5\sin 5x$ D) $\dfrac{1}{8}e^{8x}+\dfrac{1}{5}\sin 5x$

2160.   3.2-1 file-» 50 - 150 - -   (704481)
$y=e^{7x}-\cos 6x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{7}e^{7x}+\dfrac{1}{6}\sin 6x$ B) $7e^{7x}+6\sin 6x$

C) $\dfrac{1}{7}e^{7x}-\dfrac{1}{6}\sin 6x$ D) $7e^{7x}-6\sin 6x$

2161.   3.2-1 file-» 50 - 150 - -   (704482)
$y=e^{6x}-\cos 7x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $6e^{6x}-7\sin 7x$ B) $\dfrac{1}{6}e^{6x}+\dfrac{1}{7}\sin 7x$

C) $6e^{6x}+7\sin 7x$ **D) $\dfrac{1}{6}e^{6x}-\dfrac{1}{7}\sin 7x$**

2162. 3.2-1 file-» 50 - 150 - - (704483)
$y = e^{5x} - \cos 8x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{5}e^{5x} - \dfrac{1}{8}\sin 8x$ B) $5e^{5x} - 8\sin 8x$

C) $\dfrac{1}{5}e^{5x} + \dfrac{1}{8}\sin 8x$ D) $5e^{5x} + 8\sin 8x$

2163. 3.2-1 file-» 50 - 150 - - (704484)
$y = e^{8x} + \sin 4x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{8}e^{8x} - \dfrac{1}{4}\cos 4x$ B) $8e^{8x} - 4\cos 4x$

C) $\dfrac{1}{8}e^{8x} + \dfrac{1}{4}\cos 4x$ D) $8e^{8x} + 4\cos 4x$

2164. 3.2-1 file-» 50 - 150 - - (704485)
$y = e^{7x} + \sin 5x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $7e^{7x} + 5\cos 5x$ **B)** $\dfrac{1}{7}e^{7x} - \dfrac{1}{5}\cos 5x$

C) $7e^{7x} - 5\cos 5x$ D) $\dfrac{1}{7}e^{7x} + \dfrac{1}{5}\cos 5x$

2165. 3.2-1 file-» 50 - 150 - - (704486)
$y = e^{6x} + \sin 6x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{6}e^{6x} + \dfrac{1}{6}\cos 6x$ B) $6e^{6x} + 6\cos 6x$

C) $\dfrac{1}{6}e^{6x} - \dfrac{1}{6}\cos 6x$ D) $6e^{6x} - 6\cos 6x$

2166. 3.2-1 file-» 50 - 150 - - (704487)
$y = e^{5x} + \sin 7x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $5e^{5x} - 7\cos 7x$ B) $\dfrac{1}{5}e^{5x} + \dfrac{1}{7}\cos 7x$

C) $5e^{5x} + 7\cos 7x$ **D)** $\dfrac{1}{5}e^{5x} - \dfrac{1}{7}\cos 7x$

2167. 3.2-1 file-» 50 - 150 - - (704488)
$y = e^{4x} + \sin 8x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{4}e^{4x} - \dfrac{1}{8}\cos 8x$ B) $4e^{4x} - 8\cos 8x$

C) $\dfrac{1}{4}e^{4x} + \dfrac{1}{8}\cos 8x$ D) $4e^{4x} + 8\cos 8x$

2168. 3.2-1 file-» 50 - 150 - - (704489)
$y = e^{10x} - \sin 3x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{10}e^{10x} + \dfrac{1}{3}\cos 3x$ B) $10e^{10x} + 3\cos 3x$

C) $\dfrac{1}{10}e^{10x} - \dfrac{1}{3}\cos 3x$ D) $10e^{10x} - 3\cos 3x$

2169. 3.2-1 file-» 50 - 150 - - (704490)
$y = e^{9x} - \sin 4x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $9e^{9x} - 4\cos 4x$ **B)** $\dfrac{1}{9}e^{9x} + \dfrac{1}{4}\cos 4x$

C) $9e^{9x} + 4\cos 4x$ D) $\dfrac{1}{9}e^{9x} - \dfrac{1}{4}\cos 4x$

2170. 3.2-1 file-» 50 - 150 - - (704491)
$y = e^{8x} - \sin 5x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{8}e^{8x} - \dfrac{1}{5}\cos 5x$ B) $8e^{8x} - 5\cos 5x$

C) $\dfrac{1}{8}e^{8x} + \dfrac{1}{5}\cos 5x$ D) $8e^{8x} + 5\cos 5x$

2171. 3.2-1 file-» 50 - 150 - - (704492)
$y = e^{7x} - \sin 6x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $7e^{7x} + 6\cos 6x$ B) $\dfrac{1}{7}e^{7x} - \dfrac{1}{6}\cos 6x$

C) $7e^{7x} - 6\cos 6x$ **D)** $\dfrac{1}{7}e^{7x} + \dfrac{1}{6}\cos 6x$

2172. 3.2-1 file-» 50 - 150 - - (704493)
$y = e^{6x} - \sin 7x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{6}e^{6x} + \dfrac{1}{7}\cos 7x$ B) $6e^{6x} + 7\cos 7x$

C) $\dfrac{1}{6}e^{6x} - \dfrac{1}{7}\cos 7x$ D) $6e^{6x} - 7\cos 7x$

2173. 3.2-1 file-» 50 - 150 - - (704494)
$y = 9\sqrt{x} - 4\cos(2x + 8)$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $6x^{\frac{3}{2}} - 2\sin(2x + 8)$

B) $\dfrac{9}{2\sqrt{x}} - 8\sin(2x + 8)$

C) $6x^{\frac{3}{2}} + 2\sin(2x + 8)$

D) $\dfrac{9}{2\sqrt{x}} + 8\sin(2x + 8)$

2174. 3.2-1 file-» 50 - 150 - - (704495)
$y = 3\sqrt{x} - 6\cos(3x + 7)$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{3}{2\sqrt{x}} + 18\sin(3x + 7)$

B) $2x^{\frac{3}{2}} - 2\sin(3x + 7)$

C) $\dfrac{3}{2\sqrt{x}} - 18\sin(3x + 7)$

D) $2x^{\frac{3}{2}} + 2\sin(3x + 7)$

2175.   3.2-1 file-» 50 - 150 - -   (704496)
$y = 6\sqrt{x} - 8\cos(4x + 6)$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $4x^{\frac{3}{2}} + 2\sin(4x + 6)$

B) $\dfrac{3}{\sqrt{x}} + 32\sin(4x + 6)$

C) $4x^{\frac{3}{2}} - 2\sin(4x + 6)$

D) $\dfrac{3}{\sqrt{x}} - 32\sin(4x + 6)$

2176.   3.2-1 file-» 50 - 150 - -   (704497)
$y = 9\sqrt{x} - 10\cos(5x + 5)$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{9}{2\sqrt{x}} - 50\sin(5x + 5)$

B) $6x^{\frac{3}{2}} + 2\sin(5x + 5)$

C) $\dfrac{9}{2\sqrt{x}} + 50\sin(5x + 5)$

D) $6x^{\frac{3}{2}} - 2\sin(5x + 5)$

2177.   3.2-1 file-» 50 - 150 - -   (704498)
$y = 3\sqrt{x} - 12\cos(6x + 4)$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $2x^{\frac{3}{2}} - 2\sin(6x + 4)$

B) $\dfrac{3}{2\sqrt{x}} - 72\sin(6x + 4)$

C) $2x^{\frac{3}{2}} + 2\sin(6x + 4)$

D) $\dfrac{3}{2\sqrt{x}} + 72\sin(6x + 4)$

2178.   3.2-1 file-» 50 - 155 - -   (719486)
$y = e^{2x} + \cos 7x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{2}e^{2x} - \dfrac{1}{7}\sin 7x$ B) $2e^{2x} + 7\sin 7x$

C) $\dfrac{1}{2}e^{2x} + \dfrac{1}{7}\sin 7x$ D) $2e^{2x} - 7\sin 7x$

2179.   3.2-1 file-» 50 - 155 - -   (719487)
$y = e^{3x} + \cos 6x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $3e^{3x} - 6\sin 6x$ B) $\dfrac{1}{3}e^{3x} - \dfrac{1}{6}\sin 6x$

C) $3e^{3x} + 6\sin 6x$ **D)** $\dfrac{1}{3}e^{3x} + \dfrac{1}{6}\sin 6x$

2180.   3.2-1 file-» 50 - 155 - -   (719488)
$y = e^{4x} + \cos 5x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{4}e^{4x} + \dfrac{1}{5}\sin 5x$ B) $4e^{4x} - 5\sin 5x$

C) $\dfrac{1}{4}e^{4x} - \dfrac{1}{5}\sin 5x$ D) $4e^{4x} + 5\sin 5x$

2181.   3.2-1 file-» 50 - 155 - -   (719489)
$y = e^{5x} + \cos 4x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $5e^{5x} + 4\sin 4x$ **B)** $\dfrac{1}{5}e^{5x} + \dfrac{1}{4}\sin 4x$

C) $5e^{5x} - 4\sin 4x$ D) $\dfrac{1}{5}e^{5x} - \dfrac{1}{4}\sin 4x$

2182.   3.2-1 file-» 50 - 155 - -   (719490)
$y = e^{6x} + \cos 3x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{6}e^{6x} - \dfrac{1}{3}\sin 3x$ B) $6e^{6x} + 3\sin 3x$

C) $\dfrac{1}{6}e^{6x} + \dfrac{1}{3}\sin 3x$ D) $6e^{6x} - 3\sin 3x$

2183.   3.2-1 file-» 50 - 155 - -   (719491)
$y = e^{3x} - \cos 8x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{3}e^{3x} - \dfrac{1}{8}\sin 8x$ B) $3e^{3x} - 8\sin 8x$

C) $\dfrac{1}{3}e^{3x} + \dfrac{1}{8}\sin 8x$ D) $3e^{3x} + 8\sin 8x$

2184.   3.2-1 file-» 50 - 155 - -   (719492)
$y = e^{4x} - \cos 7x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $4e^{4x} + 7\sin 7x$ **B)** $\dfrac{1}{4}e^{4x} - \dfrac{1}{7}\sin 7x$

C) $4e^{4x} - 7\sin 7x$ D) $\dfrac{1}{4}e^{4x} + \dfrac{1}{7}\sin 7x$

2185.   3.2-1 file-» 50 - 155 - -   (719493)
$y = e^{5x} - \cos 6x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{5}e^{5x} + \dfrac{1}{6}\sin 6x$ B) $5e^{5x} + 6\sin 6x$

C) $\dfrac{1}{5}e^{5x} - \dfrac{1}{6}\sin 6x$ D) $5e^{5x} - 6\sin 6x$

2186.   3.2-1 file-» 50 - 155 - -   (719494)
$y = e^{6x} - \cos 5x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $6e^{6x} - 5\sin 5x$ B) $\dfrac{1}{6}e^{6x} + \dfrac{1}{5}\sin 5x$

C) $6e^{6x} + 5\sin 5x$ **D)** $\dfrac{1}{6}e^{6x} - \dfrac{1}{5}\sin 5x$

2187.   3.2-1 file-» 50 - 155 - -   (719495)
$y = e^{7x} - \cos 4x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{7}e^{7x} - \dfrac{1}{4}\sin 4x$ B) $7e^{7x} - 4\sin 4x$

C) $\dfrac{1}{7}e^{7x} + \dfrac{1}{4}\sin 4x$ D) $7e^{7x} + 4\sin 4x$

2188. 3.2-1 file-» 50 - 155 - - (719496)

$y = e^{2x} + \sin 8x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{2}e^{2x} - \dfrac{1}{8}\cos 8x$ B) $2e^{2x} - 8\cos 8x$

C) $\dfrac{1}{2}e^{2x} + \dfrac{1}{8}\cos 8x$ D) $2e^{2x} + 8\cos 8x$

2189. 3.2-1 file-» 50 - 155 - - (719497)

$y = e^{3x} + \sin 7x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $3e^{3x} + 7\cos 7x$ **B)** $\dfrac{1}{3}e^{3x} - \dfrac{1}{7}\cos 7x$

C) $3e^{3x} - 7\cos 7x$ D) $\dfrac{1}{3}e^{3x} + \dfrac{1}{7}\cos 7x$

2190. 3.2-1 file-» 50 - 155 - - (719498)

$y = e^{4x} + \sin 6x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{4}e^{4x} + \dfrac{1}{6}\cos 6x$ B) $4e^{4x} + 6\cos 6x$

C) $\dfrac{1}{4}e^{4x} - \dfrac{1}{6}\cos 6x$ D) $4e^{4x} - 6\cos 6x$

2191. 3.2-1 file-» 50 - 155 - - (719499)

$y = e^{5x} + \sin 5x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $5e^{5x} - 5\cos 5x$ B) $\dfrac{1}{5}e^{5x} + \dfrac{1}{5}\cos 5x$

C) $5e^{5x} + 5\cos 5x$ **D)** $\dfrac{1}{5}e^{5x} - \dfrac{1}{5}\cos 5x$

2192. 3.2-1 file-» 50 - 155 - - (719500)

$y = e^{6x} + \sin 4x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{6}e^{6x} - \dfrac{1}{4}\cos 4x$ B) $6e^{6x} - 4\cos 4x$

C) $\dfrac{1}{6}e^{6x} + \dfrac{1}{4}\cos 4x$ D) $6e^{6x} + 4\cos 4x$

2193. 3.2-1 file-» 50 - 155 - - (719501)

$y = e^{2x} - \sin 9x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{2}e^{2x} + \dfrac{1}{9}\cos 9x$ B) $2e^{2x} + 9\cos 9x$

C) $\dfrac{1}{2}e^{2x} - \dfrac{1}{9}\cos 9x$ D) $2e^{2x} - 9\cos 9x$

2194. 3.2-1 file-» 50 - 155 - - (719502)

$y = e^{3x} - \sin 8x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $3e^{3x} - 8\cos 8x$ **B)** $\dfrac{1}{3}e^{3x} + \dfrac{1}{8}\cos 8x$

C) $3e^{3x} + 8\cos 8x$ D) $\dfrac{1}{3}e^{3x} - \dfrac{1}{8}\cos 8x$

2195. 3.2-1 file-» 50 - 155 - - (719503)

$y = e^{4x} - \sin 7x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{4}e^{4x} - \dfrac{1}{7}\cos 7x$ B) $4e^{4x} - 7\cos 7x$

C) $\dfrac{1}{4}e^{4x} + \dfrac{1}{7}\cos 7x$ D) $4e^{4x} + 7\cos 7x$

2196. 3.2-1 file-» 50 - 155 - - (719504)

$y = e^{5x} - \sin 6x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $5e^{5x} + 6\cos 6x$ B) $\dfrac{1}{5}e^{5x} - \dfrac{1}{6}\cos 6x$

C) $5e^{5x} - 6\cos 6x$ **D)** $\dfrac{1}{5}e^{5x} + \dfrac{1}{6}\cos 6x$

2197. 3.2-1 file-» 50 - 155 - - (719505)

$y = e^{6x} - \sin 5x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{1}{6}e^{6x} + \dfrac{1}{5}\cos 5x$ B) $6e^{6x} + 5\cos 5x$

C) $\dfrac{1}{6}e^{6x} - \dfrac{1}{5}\cos 5x$ D) $6e^{6x} - 5\cos 5x$

2198. 3.2-1 file-» 50 - 155 - - (719506)

$y = 2\sqrt{x} - 4\cos(2x + 8)$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{4x^{\frac{3}{2}}}{3} - 2\sin(2x + 8)$

B) $\dfrac{1}{\sqrt{x}} - 8\sin(2x + 8)$

C) $\dfrac{4x^{\frac{3}{2}}}{3} + 2\sin(2x + 8)$

D) $\dfrac{1}{\sqrt{x}} + 8\sin(2x + 8)$

2199. 3.2-1 file-» 50 - 155 - - (719507)

$y = 3\sqrt{x} - 6\cos(3x + 7)$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{3}{2\sqrt{x}} + 18\sin(3x + 7)$

B) $2x^{\frac{3}{2}} - 2\sin(3x + 7)$

C) $\dfrac{3}{2\sqrt{x}} - 18\sin(3x + 7)$

D) $2x^{\frac{3}{2}} + 2\sin(3x + 7)$

2200. 3.2-1 file-» 50 - 155 - - (719508)

$y = 4\sqrt{x} - 8\cos(4x + 6)$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{8x^{\frac{3}{2}}}{3} + 2\sin(4x + 6)$

B) $\dfrac{2}{\sqrt{x}} + 32\sin(4x + 6)$

C) $\dfrac{8x^{\frac{3}{2}}}{3} - 2\sin(4x + 6)$

D) $\dfrac{2}{\sqrt{x}} - 32\sin(4x + 6)$

2201.　　3.2-1 file-» 50 - 155 - -　　　(719509)
$y = 5\sqrt{x} - 10\cos(5x + 5)$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $\dfrac{5}{2\sqrt{x}} - 50\sin(5x + 5)$

B) $\dfrac{10x^{\frac{3}{2}}}{3} + 2\sin(5x + 5)$

C) $\dfrac{5}{2\sqrt{x}} + 50\sin(5x + 5)$

D) $\dfrac{10x^{\frac{3}{2}}}{3} - 2\sin(5x + 5)$

2202.　　3.2-1 file-» 50 - 155 - -　　　(719510)
$y = 6\sqrt{x} - 12\cos(6x + 4)$ funksiyaning boshlang'ich funksiyalaridan birini toping.

A) $4x^{\frac{3}{2}} - 2\sin(6x + 4)$

B) $\dfrac{3}{\sqrt{x}} - 72\sin(6x + 4)$

C) $4x^{\frac{3}{2}} + 2\sin(6x + 4)$

D) $\dfrac{3}{\sqrt{x}} + 72\sin(6x + 4)$

2203.　　3.3-2 file-» 6 - 3 - -　1　　(704499)
$a = \log_{98} 112$ bo'lsa, $\log_7 2$ ni a orqali ifodalang.

A) $\dfrac{4 - a}{2a - 1}$　　B) $\dfrac{2a - 1}{3 - a}$　　C) $\dfrac{a - 3}{2a - 1}$

D) $\dfrac{1 - 2a}{a - 4}$

2204.　　3.3-2 file-» 6 - 4 - -　1　　(704500)
$a = \log_{147} 189$ bo'lsa, $\log_7 3$ ni a orqali ifodalang.

A) $\dfrac{1 - 2a}{a - 2}$　　**B)** $\dfrac{2a - 1}{3 - a}$　　C) $\dfrac{a - 2}{1 - 2a}$

D) $\dfrac{a - 2}{2a - 1}$

2205.　　3.3-2 file-» 6 - 5 - -　1　　(704501)
$a = \log_{75} 135$ bo'lsa, $\log_5 3$ ni a orqali ifodalang.

A) $\dfrac{1 - 2a}{a - 2}$　　B) $\dfrac{2a - 1}{a - 2}$　　**C)** $\dfrac{1 - 2a}{a - 3}$

D) $\dfrac{a - 2}{2a - 1}$

2206.　　3.3-2 file-» 6 - 6 - -　1　　(704502)
$a = \log_{50} 80$ bo'lsa, $\log_5 2$ ni a orqali ifodalang.

A) $\dfrac{3a - 1}{2 - a}$　　B) $\dfrac{a - 3}{1 - 2a}$　　**C)** $\dfrac{1 - 2a}{a - 4}$

D) $\dfrac{2a - 1}{a - 3}$

2207.　　3.3-2 file-» 22 - 13 - -　1　　(704503)
$\log_2(4 - 2x) - \log_{\frac{1}{8}}(4 - 2x) > \dfrac{4}{3}$ tengsizlikni yeching.

A) $(-\infty;\ 0,5)$　　**B)** $(-\infty;\ 1)$　　C) $(-4;\ -1)$
D) $(0;\ 1)$

2208.　　3.3-2 file-» 22 - 14 - -　1　　(704504)
$\log_{\frac{1}{\sqrt{3}}}(x - 9) + 2\log_{\sqrt{3}}(x - 9) < 4$ tengsizlikni yeching.

A) $(6; 15)$　　B) $(5; 14)$　　C) $(5; 81)$
D) $(9; 18)$

2209.　　3.3-2 file-» 22 - 15 - -　1　　(704505)
$\log_{\frac{1}{3}}(x + 4) - \log_9(x + 4) > -\dfrac{3}{2}$ tengsizlikni yeching.

A) $(0; 1)$　　**B)** $(-4; -1)$　　C) $(2; 3)$
D) $(-2; 1)$

2210.　　3.3-2 file-» 6 - 7 - -　1　　(704506)
$\log_3^2 x - 5\log_3 x + 6 = 0$ tenglamaning ildizlari yig'indisini toping.

A) 36　　B) 27　　C) 12　　D) 18

2211.　　3.3-2 file-» 6 - 8 - -　1　　(704507)
$\log_3^2 x - 4\log_3 x + 3 = 0$ tenglamaning ildizlari yig'indisini toping.

A) 20　　B) 10　　C) 4　　**D)** 30

2212.　　3.3-2 file-» 19 - 2 - -　1　　(704508)
$a = \log_{0,2} 8$, $b = \log_4 2$, $c = \log_{0,9} 0,6$, $d = \log_3 0,8$ va $l = \log_{0,9} 2$ sonlardan qaysilari musbat?

A) b va c　　B) a, d va l　　C) c va d
D) a, c va d

2213.　　3.3-2 file-» 23 - 17 - -　1　　(704509)
$2\log_2 3 \cdot \log_3 2 \cdot \log_3 \dfrac{1}{243}$ ni hisoblang.

A) -10　　B) -9　　C) -4　　D) -8

2214.　　3.3-2 file-» 23 - 17 - -　1　　(704510)
$n = \log_{1/2} 4 + \log_{1/2} 2$, $m = \ln e^{-2}$ va $p = \log_{1/3} 15 - \log_{1/3} 5$ sonlarni kamayish tartibida joylashtiring.

A) $p > m > n$　　B) $m > n > p$
C) $n > p > m$　　D) $m > p > n$

2215.　　3.3-2 file-» 23 - 17 - -　1　　(704511)
$2^{|x-7|+2x-4} = 64$ tenglamani yeching.

A) $1,5$　　B) 1　　C) 2　　**D)** 3

2216.　　3.3-2 file-» 23 - 19 - -　1　　(704512)
$a = \left(\dfrac{1}{3}\right)^{-\sqrt{3}}$, $b = \sqrt[4]{3^6}$ va $c = \left(\sqrt[3]{3}\right)^5$ sonlarni o'sish tartibida joylashtiring.

A) $b < c < a$　　B) $a < c < b$　　C) $c < b < a$
D) $c < a < b$

2217.　　3.3-2 file-» 32 - 1 - -　1　　(704513)
Qaysi javobda manfiy son ko'rsatilgan?

A) $\log_{\frac{2}{3}} 3$　　B) $\log_{\sqrt{2}} \sqrt{3}$　　C) $\log_{\frac{1}{7}} \dfrac{1}{\sqrt{45}}$

D) $\log_2 1,2$

2218. 3.3-3 file-» 16 - 2 - - (56898)
$|x - 14| \cdot log_2(x - 4) = 3(14 - x)$ тенглама илдизларининг йиғиндисини топинг.

A) 42   **B) 26**   C) $30\frac{1}{8}$ D) 24

2219. 3.3-3 file-» 17 - 1 - - (56951)
$x^{log_2 x+2} < 8$ тенгсизликни ечинг.

A) $(2^{-5}; 2)$ B) $(2^{-2}; 2)$ **C) $(2^{-3}; 2)$**
D) $(2^{-4}; 2)$

2220. 3.3-3 file-» 23 - 6 - - (57159)
$a = 0,2^{-0,7} \cdot 0,3^{-0,6}$; $b = 0,8^{-1/3} \cdot 3^{0,4}$;
$c = 1,2^{0,4} \cdot 1,1^{1,5}$ ва $d = 2^{-0,7} \cdot 0,2^{0,1}$ сонлардан қайси бири 1 дан кичик?

A) a B) b C) c **D) d**

2221. 3.3-3 file-» 19 - 1 - - 3 (68331)
$log_2 log_{\frac{1}{3}} log_8 x > 0$ тенгсизликни ечинг.

A) $(1; 2)$ B) $(-\infty; 0) \bigcup (0; 2)$ C) $(0; 2)$
D) $(-\infty\ 2)$

2222. 3.3-3 file-» 16 - 3 - - 5 (69020)
$log_{0,5}(x + 3)^4 > log_{0,5}(3x - 7)^4$ тенгсизликни ечинг.

A) $(-\infty; -3) \cup (-3; 1) \cup (5; \infty)$ B) $(5; \infty)$
C) $(-3; 1) \cup (5; \infty)$ D) $(-\infty; 1) \cup (1; \infty)$

2223. 3.3-3 file-» 23 - 13 - - 10 (71115)
$4^{log_2 x} + x^2 < 50$ тенгсизликнинг барча бутун сонлардан иборат ечимлари йиғиндисини топинг.

A) 6   **B) 10**   C) 15   D) 7

2224. 3.3-3 file-» 16 - 5 - - 10 (96281)
$y = \sqrt{lg^2 |2x - 7| \cdot (5x - 6 - x^2)}$ функциянинг аниқланиш соҳасига тегишли бутун сонларнинг йиғиндисини топинг.

A) 14   B) 5   **C) 9**   D) 12

2225. 3.3-3 file-» 16 - 7 - - 6 (105903)
$(x^2 - 12x + 32) \sqrt{\log_3 (x - 5)} \leq 0$ тенгсизликни ечинг.

A) $(4; 8]$ **B) $[6; 8]$**   C) $[7; 8)$ D) $(7; 8)$

2226. 3.3-3 file-» 23 - 18 - - 7 (115479)
Агар $log_3 4 = a$ ва $log_5 4 = b$ бўлса, $log_4 135$ ни a ва b орқали ифодаланг.

A) $\frac{a + 2b}{ab}$ B) $\frac{3a + b}{a + b}$ **C) $\frac{a + 3b}{ab}$**   D) $\frac{a + 3b}{a + b}$

2227. 3.3-3 file-» 19 - 5 - - 2 (123022)
$2log_8 x - log_8(x - 1) > \frac{2}{3}$ тенгсизликни ечинг.

A) $(3; 5)$ B) $(2; \infty)$ **C) $(1; 2) \cup (2; \infty)$**
D) $(3; \infty)$

2228. 3.3-3 file-» 19 - 6 - - 8 (136409)
Агар $log_4 (\sqrt{3} - 1) + log_4 (\sqrt{6} - 2) = a$ бўлса, $log_4 (\sqrt{3} + 1) + log_4 (\sqrt{6} + 2)$ йиғиндини топинг.

A) $\sqrt{6} - a$ B) $\sqrt{3} - a$ **C) $1 - a$**   D) $2 - a$

2229. 3.3-3 file-» 19 - 6 - - 8 (136412)
$\frac{2 \log_4 x}{2 + \log_4 x} \leq 1$ тенгсизликнинг ечимларидан иборат туб сонларнинг йиғиндисини топинг.

A) 17   B) 28   **C) 41**   D) 21

2230. 3.3-3 file-» 32 - 3 - - 2 (139950)
$a = 2log_2 5$, $b = 4 \log_{\frac{1}{4}} \frac{5}{26}$, $c = 3 \log_{\frac{1}{8}} \frac{1}{23}$ сонларни ўсиш тартибида жойлаштиринг.

A) $b < a < c$ B) $a < b < c$ C) $b < c < a$
D) $c < a < b$

2231. 3.3-3 file-» 19 - 8 - - 6 (141385)
$\frac{log_{\sqrt{6}} x - 2}{log_{\sqrt{6}} x - 4} \leq 0$ тенгсизликнинг ечимларидан нечтаси туб сонлардан иборат?

A) 6   B) 5   **C) 8**   D) 7

2232. 3.3-3 file-» 51 - 1 - - (174999)
$\log_{\frac{2}{3}} \frac{x}{4} \leq \log_{\frac{4}{9}} (x - 3)$ тенгсизликни ечинг.

A) $(-\infty; 4] \cup [12; \infty)$ **B) $(3; 4] \cup [12; \infty)$**
C) $(-\infty; 3) \cup (3; \infty)$ D) $(0; 3) \cup (3; 4]$

2233. 3.3-3 file-» 16 - 2 - - (315401)
$|x - 14| \cdot log_2(x - 4) = 3(14 - x)$ tenglama ildizlarining yig'indisini toping.

A) 42   **B) 26**   C) $30\frac{1}{8}$ D) 24

2234. 3.3-3 file-» 17 - 1 - - (315402)
$x^{log_2 x+2} < 8$ tengsizlikni yeching.

A) $(2^{-5}; 2)$ B) $(2^{-2}; 2)$ **C) $(2^{-3}; 2)$**
D) $(2^{-4}; 2)$

2235. 3.3-3 file-» 23 - 6 - - (315403)
$a = 0,2^{-0,7} \cdot 0,3^{-0,6}$; $b = 0,8^{-1/3} \cdot 3^{0,4}$;
$c = 1,2^{0,4} \cdot 1,1^{1,5}$ va $d = 2^{-0,7} \cdot 0,2^{0,1}$ sonlardan qaysi biri 1 dan kichik?

A) a B) b C) c **D) d**

2236. 3.3-3 file-» 19 - 1 - - 3 (315404)
$log_2 log_{\frac{1}{3}} log_8 x > 0$ tengsizlikni yeching.

A) $(1; 2)$ B) $(-\infty; 0) \bigcup (0; 2)$ C) $(0; 2)$
D) $(-\infty\ 2)$

2237. 3.3-3 file-» 16 - 3 - - 5 (315405)
$log_{0,5}(x + 3)^4 > log_{0,5}(3x - 7)^4$ tengsizlikni yeching.

A) $(-\infty; -3) \cup (-3; 1) \cup (5; \infty)$ B) $(5; \infty)$
C) $(-3; 1) \cup (5; \infty)$ D) $(-\infty; 1) \cup (1; \infty)$

2238.   3.3-3 file-» 23 - 13 - - 10   (315406)
$4^{log_2 x} + x^2 < 50$ tengsizlikning barcha butun sonlardan iborat yechimlari yig'indisini toping.

A) 6   **B) 10**   C) 15   D) 7

2239.   3.3-3 file-» 16 - 5 - - 10   (315407)
$y = \sqrt{\lg^2 |2x - 7| \cdot (5x - 6 - x^2)}$ funksiyaning aniqlanish sohasiga tegishli butun sonlarning yig'indisini toping.

A) 14   B) 5   **C) 9**   D) 12

2240.   3.3-3 file-» 16 - 7 - - 6   (315408)
$(x^2 - 12x + 32) \sqrt{\log_3 (x - 5)} \leq 0$ tengsizlikni yeching.

A) $(4; 8]$ **B) $[6; 8]$**   C) $[7; 8)$ D) $(7; 8)$

2241.   3.3-3 file-» 23 - 18 - - 7   (315409)
Agar $\log_3 4 = a$ va $\log_5 4 = b$ bo'lsa, $\log_4 135$ ni a va b orqali ifodalang.

A) $\dfrac{a + 2b}{ab}$ B) $\dfrac{3a + b}{a + b}$ **C) $\dfrac{a + 3b}{ab}$**

D) $\dfrac{a + 3b}{a + b}$

2242.   3.3-3 file-» 19 - 5 - - 2   (315410)
$2log_8 x - log_8(x - 1) > \dfrac{2}{3}$ tengsizlikni yeching.

A) $(3; 5)$ B) $(2; \infty)$ **C) $(1; 2) \cup (2; \infty)$**
D) $(3; \infty)$

2243.   3.3-3 file-» 19 - 6 - - 8   (315411)
Agar $\log_4 \left(\sqrt{3} - 1 \right) + \log_4 \left(\sqrt{6} - 2 \right) = a$ bo'lsa, $\log_4 \left(\sqrt{3} + 1 \right) + \log_4 \left(\sqrt{6} + 2 \right)$ yig'indini toping.

A) $\sqrt{6} - a$ B) $\sqrt{3} - a$ **C) $1 - a$**
D) $2 - a$

2244.   3.3-3 file-» 19 - 6 - - 8   (315412)
$\dfrac{2 \log_4 x}{2 + \log_4 x} \leq 1$ tengsizlikning yechimlaridan iborat tub sonlarning yig'indisini toping.

A) 17   B) 28   **C) 41**   D) 21

2245.   3.3-3 file-» 32 - 3 - - 2   (315413)
$a = 2log_2 5$, $b = 4 \log_{\frac{1}{4}} \dfrac{5}{26}$, $c = 3 \log_{\frac{1}{8}} \dfrac{1}{23}$ sonlarni o'sish tartibida joylashtiring.

A) $b < a < c$ B) $a < b < c$ C) $b < c < a$
D) $c < a < b$

2246.   3.3-3 file-» 19 - 8 - - 6   (315414)
$\dfrac{log_{\sqrt{6}} x - 2}{log_{\sqrt{6}} x - 4} \leq 0$ tengsizlikning yechimlaridan nechtasi tub sonlardan iborat?

A) 6   B) 5   **C) 8**   D) 7

2247.   3.3-3 file-» 51 - 1 - -   (315415)
$\log_{\frac{2}{3}} \dfrac{x}{4} \leq \log_{\frac{4}{9}} (x - 3)$ tengsizlikni yeching.

A) $(-\infty; 4] \cup [12; \infty)$ **B) $(3; 4] \cup [12; \infty)$**
C) $(-\infty; 3) \cup (3; \infty)$ D) $(0; 3) \cup (3; 4]$

2248.   3.3-3 file-» 50 - 106 - -   (401961)
$9^{\log_9 (x-4)} < 3$ tengsizlikni yeching.

A) $4 < x < 7$ B) $x < 7$ C) $4 < x < 6$
D) $4 < x \leq 6$

2249.   3.3-3 file-» 50 - 106 - -   (401962)
$9^{\log_9 (x-4)} > 3$ tengsizlikni yeching.

A) $x > 7$ B) $4 < x < 7$ C) $x \geq 8$
D) $x \geq 9$

2250.   3.3-3 file-» 50 - 106 - -   (401963)
$9^{\log_9 (x-4)} \leq 3$ tengsizlikni yeching.

A) $4 < x \leq 7$ B) $x \leq 7$ C) $4 \leq x \leq 7$
D) $x > 7$

2251.   3.3-3 file-» 50 - 106 - -   (401964)
$9^{\log_9 (x-4)} \geq 3$ tengsizlikni yeching.

A) $x \geq 7$ B) $4 < x \leq 7$ C) $\{7\}$
D) $x > 7$

2252.   3.3-3 file-» 50 - 106 - -   (401965)
$5^{\log_5 (x-7)} < 4$ tengsizlikni yeching.

A) $7 < x < 11$ B) $x < 11$ C) $7 < x < 10$
D) $7 < x \leq 11$

2253.   3.3-3 file-» 50 - 106 - -   (401966)
$5^{\log_5 (x-7)} > 4$ tengsizlikni yeching.

A) $x > 11$ B) $7 < x < 11$ C) $x \geq 12$
D) $x \geq 13$

2254.   3.3-3 file-» 50 - 106 - -   (401967)
$5^{\log_5 (x-7)} \leq 4$ tengsizlikni yeching.

A) $7 < x \leq 11$ B) $x \geq 11$ C) $7 \leq x \leq 11$
D) $x > 11$

2255.   3.3-3 file-» 50 - 106 - -   (401968)
$5^{\log_5 (x-7)} \geq 4$ tengsizlikni yeching.

A) $x \geq 11$ B) $7 < x \leq 11$ C) $\{11\}$
D) $x > 11$

2256.   3.3-3 file-» 50 - 106 - -   (401969)
$2^{\log_2 (x+7)} < 3$ tengsizlikni yeching.

A) $-7 < x < -4$ B) $x < -4$
C) $-7 < x < -3$ D) $-7 < x \leq -3$

2257.   3.3-3 file-» 50 - 106 - -   (401970)
$2^{\log_2 (x+7)} > 3$ tengsizlikni yeching.

A) $x > -4$ B) $-7 < x > -4$ C) $x \geq -3$
D) $x \geq -2$

2258.   3.3-3 file-» 50 - 106 - -   (401971)
$2^{\log_2 (x+7)} \leq 3$ tengsizlikni yeching.

A) $-7 < x \leq -4$ B) $x \geq -4$
C) $-7 \leq x \leq -4$ D) $x = -4$

2259.   3.3-3 file-» 50 - 106 - -   (401972)
$2^{\log_2(x+7)} \geq 3$ tengsizlikni yeching.

A) $x \geq -4$ B) $-7 < x \leq -4$ C) $\{-4\}$
D) $x > -4$

2260.   3.3-3 file-» 50 - 106 - -   (401973)
$5^{\log_5(6-x)} < 2$ tengsizlikni yeching.

A) $4 < x < 6$ B) $x < 4$ C) $4 < x < 5$
D) $4 < x \leq 5$

2261.   3.3-3 file-» 50 - 106 - -   (401974)
$5^{\log_5(6-x)} > 2$ tengsizlikni yeching.

A) $x < 4$ B) $4 < x < 6$ C) $x < 3$
D) $4 \leq x < 6$

2262.   3.3-3 file-» 50 - 106 - -   (401975)
$5^{\log_5(6-x)} \leq 2$ tengsizlikni yeching.

A) $4 \leq x < 6$ B) $x \leq 4$ C) $4 \leq x \leq 6$
D) $x = 4$

2263.   3.3-3 file-» 50 - 106 - -   (401976)
$5^{\log_5(6-x)} \geq 2$ tengsizlikni yeching.

A) $x \leq 4$ B) $4 \leq x < 6$ C) $x = 4$
D) $x \leq 3$

2264.   3.3-3 file-» 50 - 106 - -   (401977)
$6^{\log_6(8-x)} < 4$ tengsizlikni yeching.

A) $4 < x < 8$ B) $x < 4$ C) $4 < x < 7$
D) $4 < x \leq 7$

2265.   3.3-3 file-» 50 - 106 - -   (401978)
$6^{\log_6(8-x)} > 4$ tengsizlikni yeching.

A) $x < 4$ B) $4 < x < 8$ C) $x < 3$
D) $x \leq 2$

2266.   3.3-3 file-» 50 - 106 - -   (401979)
$6^{\log_6(8-x)} \leq 4$ tengsizlikni yeching.

A) $4 \leq x < 8$ B) $x \leq 4$ C) $4 \leq x < 7$
D) $x = 4$

2267.   3.3-3 file-» 50 - 106 - -   (401980)
$6^{\log_6(8-x)} \geq 4$ tengsizlikni yeching.

A) $x \leq 4$ B) $4 \leq x < 8$ C) $x \leq 3$
D) $x = 4$

2268.   3.3-3 file-» 50 - 106 - -   (401981)
$7^{\log_7(9-x)} < 4$ tengsizlikni yeching.

A) $5 < x < 9$ B) $x < 5$ C) $5 < x < 8$
D) $5 < x \leq 8$

2269.   3.3-3 file-» 50 - 106 - -   (401982)
$7^{\log_7(9-x)} > 4$ tengsizlikni yeching.

A) $x < 5$ B) $5 < x < 9$ C) $x < 4$
D) $x \leq 3$

2270.   3.3-3 file-» 50 - 106 - -   (401983)
$7^{\log_7(9-x)} \leq 4$ tengsizlikni yeching.

A) $5 \leq x < 9$ B) $x \leq 5$ C) $5 \leq x < 8$
D) $x = 5$

2271.   3.3-3 file-» 50 - 106 - -   (401984)
$7^{\log_7(9-x)} \geq 4$ tengsizlikni yeching.

A) $x \leq 5$ B) $5 \leq x < 9$ C) $x \leq 4$
D) $x = 5$

2272.   3.3-3 file-» 50 - 106 - -   (401985)
$3^{\log_3(4-x)} < 9$ tengsizlikni yeching.

A) $-5 < x < 4$ B) $x < 5$ C) $-5 < x < 3$
D) $-5 < x \leq 3$

2273.   3.3-3 file-» 50 - 106 - -   (401986)
$3^{\log_3(4-x)} > 9$ tengsizlikni yeching.

A) $x < -5$ B) $-5 < x < 4$ C) $x < 4$
D) $x \leq -5$

2274.   3.3-3 file-» 50 - 106 - -   (401987)
$3^{\log_3(4-x)} \leq 9$ tengsizlikni yeching.

A) $-5 \leq x < 4$ B) $x \leq 5$ C) $-5 \leq x < 3$
D) $x = -5$

2275.   3.3-3 file-» 50 - 106 - -   (401988)
$3^{\log_3(4-x)} \geq 9$ tengsizlikni yeching.

A) $x \leq -5$ B) $-5 \leq x < 4$ C) $x \leq 4$
D) $x = -5$

2276.   3.3-3 file-» 50 - 106 - -   (401989)
$4^{\log_4(11-x)} \leq 2$ tengsizlikni yeching.

A) $9 \leq x < 11$ B) $x \leq 9$ C) $9 \leq x < 10$
D) $x = 9$

2277.   3.3-3 file-» 50 - 106 - -   (401990)
$4^{\log_4(11-x)} \geq 2$ tengsizlikni yeching.

A) $x \leq 9$ B) $9 \leq x < 11$ C) $x \leq 8$
D) $x = 9$

2278.   3.3-3 file-» 6 - 4 - -   (401991)
$a = \log_{1/5} 4$, $b = \log_{1/5} 6$ va $c = \log_{1/6} 4$ bo'lsa, a, b va c sonlar uchun quyidagi munosabatlarning qaysi biri o'rinli?

A) $c < b < a$ B) $b < c < a$ C) $c < a < b$
D) $b < a < c$

2279.   3.3-3 file-» 6 - 5 - -   (401992)
$a = \log_{1/6} 4$, $b = \log_{1/5} 6$ va $c = \log_{1/5} 4$ bo'lsa, a, b va c sonlar uchun quyidagi munosabatlarning qaysi biri o'rinli?

A) $b < c < a$ B) $c < a < b$ C) $a < c < b$
D) $a < b < c$

2280.   3.3-3 file-» 6 - 6 - -   (401993)
$a = \log_{1/3} 4$, $b = \log_{1/4} 3$ va $c = \log_{1/3} 3$ bo'lsa, a, b va c sonlar uchun quyidagi munosabatlarning qaysi biri o'rinli?

A) $c < a < b$ B) $c < b < a$ **C)** $a < c < b$
D) $b < a < c$

2281.   3.3-3 file-» 6 - 3 - -   (401994)
$a = \log_{1/2} 3$, $b = \log_{1/4} 3$ va $c = \log_{1/2} 5$ bo'lsa, a, b va c sonlar uchun quyidagi munosabatlarning qaysi biri o'rinli?

A) $a < b < c$ **B)** $c < a < b$ C) $b < c < a$
D) $b < a < c$

2282.   3.3-3 file-» 22 - 3 - -   (401995)
Agar $\log_4 125 = a$ bo'lsa, $\lg 64$ ni a orqali ifodalang.

A) $\frac{3}{2}a + 4$ B) $\frac{2}{3}a + 6$ **C)** $\frac{18}{2a + 3}$

D) $\frac{6}{3a + 2}$

2283.   3.3-3 file-» 6 - 7 - -   (401996)
$a = log_{36}108$ bo'lsa, $log_2 3$ ni a orqali ifodalang.

A) $\frac{2 + 2a}{2a + 3}$ B) $\frac{2(1 + a)}{2a - 3}$ **C)** $\frac{2(1 - a)}{2a - 3}$

D) $\frac{2(1 - a)}{2a + 3}$

2284.   3.3-3 file-» 6 - 8 - -   (401997)
$a = log_6 108$ bo'lsa, $log_2 3$ ni a orqali ifodalang.

A) $\frac{a + 2}{3 + a}$ B) $\frac{a - 2}{3 + a}$ C) $\frac{2 - a}{3 + a}$ **D)** $\frac{a - 2}{3 - a}$

2285.   3.3-3 file-» 16 - 2 - -   (401998)
$\frac{log_9 12}{log_{36} 3} - \frac{log_9 4}{log_{108} 3}$ ni hisoblang.

A) 3   B) 2   **C)** 1   D) 6

2286.   3.3-3 file-» 22 - 17 - -   (401999)
$\frac{log_2^2 14 + log_2 14 \cdot log_2 7 - 2log_2^2 7}{log_2 14 \cdot log_7 2 + 2}$ ni soddalashtiring.

A) 2   **B)** $log_2 7$ C) $-log_2 7$ D) 1

2287.   3.3-3 file-» 22 - 18 - -   (402000)
$\frac{2log_3^2 2 - log_3^2 18 - log_3 2 \cdot log_3 18}{6log_3 2 + log_3 81}$ ni soddalashtiring.

A) -1 B) $\frac{1}{2}$ C) -2 D) $-\frac{1}{2}$

2288.   3.3-3 file-» 22 - 19 - - 4   (402001)
$\frac{log_5^2 15 - log_5^2 3 + log_5 15 + log_5 3}{log_5 15 + log_5 3}$ ifodaning qiymatini ko'rsating.

A) 1   **B)** 2   C) 3   D) 5

2289.   3.3-3 file-» 22 - 20 - - 6   (402002)
Agar $log_{0,5} 27 = a$ bo'lsa, $log_{\sqrt{3}} \sqrt[6]{1,5}$ ning qiymatini toping.

A) $\frac{1}{3} + a^{-1}$ B) $a^2 - 1$ C) $3 + a^{-1}$

D) $1 + a^{-3}$

2290.   3.3-3 file-» 19 - 4 - - 3   (402003)
$\log_{\frac{1}{3}}(x - 1) - 2\log_{\frac{1}{9}}(2x - 3) < 0$ tengsizlikni yeching.

A) $\left(\frac{3}{2}; 2\right)$ B) $(-\infty; 2)$ C) $(2; \infty)$

D) $\left(\frac{3}{2}; \infty\right)$

2291.   3.3-3 file-» 22 - 21 - - 4   (402004)
Agar $\log_{0,2} 27 = a$ bo'lsa, $\log_{\sqrt{3}} \sqrt[6]{1,8}$ ni a orqali ifodalang.

A) $a^2 - \frac{2}{3}$

B) $a^{-1} + \frac{2}{3}$

C) $a^{-3} + 2$

D) $\sqrt[3]{a} - 2$

2292.   3.3-3 file-» 19 - 8 - - 6   (402005)
$log_{\frac{1}{3}} \frac{\sqrt{3}}{7 + 2\sqrt{10}} + log_{\sqrt{3}} \frac{1}{\sqrt{5} + \sqrt{2}}$ ni hisoblang.

A) -1 B) -2 C) 2   **D)** $-\frac{1}{2}$

2293.   4.1-1 file-» 22 - 14 - -   (36363)
Икки қўшни бурчакнинг айирмаси $28°$ га тенг. Шу бурчаклардан кичигини топинг.

A) $72°$ B) $78°$ C) $82°$ **D)** $76°$

2294.   4.1-1 file-» 22 - 15 - -   (36413)
Қўшни бурчаклардан бири иккинчисидан $52°$ га катта. Шу бурчаклардан каттасини топинг.

A) $106°$ B) $118°$ **C)** $116°$ D) $114°$

2295.   4.1-1 file-» 23 - 2 - -   (36450)
Қуйидаги мулоҳазалардан қайси бири тўғри?

A) *Тенг томонли учбурчакнинг баландликлари кесишиш нуқтасида 4:3 нисбатда бўлинади.*

B) Иккита тўғри бурчакли учбурчакнинг гипотенузалари ва биттадан ўткир бурчаклари бир-бирига тенг бўлса, бундай учбурчаклар тенгдир.

C) *Иккита параллель тўғри чизиқни учинчи тўғри чизиқ билан кесганда ҳосил бўлган ички бир томонли бурчаклар йиғиндиси $180°$ дан кичик.*

D) *Иккитадан томони, биттадан бурчаги ўзаро тенг бўлган учбурчаклар тенгдир.*

2296.　　4.1-1 file-» 23 - 2 - -　　　(36454)
Айлананинг AB ватари ўзи ажратган
ёйлардан бирининг ихтиёрий нуқтасидан
40° ли бурчак остида кўринади. A ва B нуқта
чегараси бўлган ёйлар неча градус?

A) *160° ва 200°*　　**B)** *80° ва 280°*
C) *100° ва 260°*　　D) *110° ва 250°*

2297.　　4.1-1 file-» 23 - 3 - -　　　(36510)
Қуйидаги мулоҳазалардан қайси бири
нотўғри?

　A) *Тенг томонли учбурчакнинг*
　　баландликлари учидан бошлаб
　　ҳисобланганда кесишиш нуқтасида 2:1
　　нисбатда бўлинади.

　B) *Агар иккита тенг ёнли учбурчакнинг*
　　асослари ва асосларидаги бурчаклари тенг
　　бўлса, бундай учбурчаклар тенгдир.

　C) *Қавариқ бешбурчак ички бурчакларининг*
　　йиғиндиси 540° га тенг.

　D) Агар бир учбурчакнинг бир томони
　　ва шу томон қаршисидаги бурчаги,
　　иккинчи учбурчакнинг бир томони ва
　　шу томон қаршисидаги бурчагига
　　мос равишда тенг бўлса, бу
　　учбурчаклар тенгдир.

2298.　　4.1-1 file-» 23 - 3 - -　　　(36514)
Айлананинг MN ватари 120° ли ёйни тортиб
туради. MN ватар ўзи тортиб турган кичик
ёйнинг ихтиёрий нуқтасидан қандай бурчак
остида кўринади?

A) 270°　　**B)** 120°　　C) 100°　　D) 110°

2299.　　4.1-1 file-» 23 - 4 - -　　　(36572)
130° ли ёйга тиралган ватар айланани икки
қисмга ажратади. Катта ёйнинг ихтиёрий
нуқтасидан қараганда, бу ватар қандай
бурчак остида кўринади?

A) 65°　　B) 115°　　C) 120°　　D) 70°

2300.　　4.1-1 file-» 28 - 2 - -　　　(36712)
Қўшни бурчаклардан бири икинчисидан беш
марта кичик бўлса, шу бурчаклардан
каттасини топинг.

A) 150°　　B) 130°　　C) 140°　　D) 144°

2301.　　4.1-1 file-» 13 - 4 - -　　　(56659)
Икки тўғри чизиқнинг кесишишидан ҳосил
бўлган бурчакларнинг бири 40° га тенг.
Қолган бурчакларни топинг.

A) 150°, 150°, 30°　　B) 110°, 110°, 110°
C) 60°, 60°, 30°　　**D)** 140°, 140°, 40°

2302.　　4.1-1 file-» 5 - 13 - - 9　　(115015)
Айлананинг кесишувчи икки ватари
орасидаги бурчаклардан бири 100° га тенг.
Шу бурчакка қўшни бўлган бурчакларнинг
йиғиндисини топинг.

A) 100°　　B) 90°　　C) 200°　　**D)** 160°

2303.　　4.1-1 file-» 22 - 14 - -　　　(315416)
Ikki qo'shni burchakning ayirmasi 28° ga teng.
Shu burchaklardan kichigini toping.

A) 72°　　B) 78°　　C) 82°　　**D)** 76°

2304.　　4.1-1 file-» 22 - 15 - -　　　(315417)
Qo'shni burchaklardan biri ikkinchisidan 52° ga
katta. Shu burchaklardan kattasini toping.

A) 106°　　B) 118°　　**C)** 116°　　D) 114°

2305.　　4.1-1 file-» 23 - 2 - -　　　(315418)
Quyidagi mulohazalardan qaysi biri to'g'ri?

　A) *Teng tomonli uchburchakning balandliklari*
　　kesishish nuqtasida 4:3 nisbatda bo'linadi.

　B) Ikkita to'g'ri burchakli uchburchakning
　　gipotenuzalari va bittadan o'tkir
　　burchaklari bir- biriga teng bo'lsa,
　　bunday uchburchaklar tengdir.

　C) *Ikkita parallel to'g'ri chiziqni uchinchi to'g'ri*
　　chiziq bilan kesganda hosil bo'lgan ichki bir
　　tomonli burchaklar yig'indisi 180° dan kichik.

　D) *Ikkitadan tomoni, bittadan burchagi o'zaro*
　　teng bo'lgan uchburchaklar tengdir.

2306.　　4.1-1 file-» 23 - 2 - -　　　(315419)
Aylananing AB vatari o'zi ajratgan yoylardan
birining ixtiyoriy nuqtasidan 40° li burchak
ostida ko'rinadi. A va B nuqta chegarasi bo'lgan
yoylar necha gradus?

A) *160° va 200°*　　**B)** *80° va 280°*
C) *100° va 260°*　　D) *110° va 250°*

2307.　　4.1-1 file-» 23 - 3 - -　　　(315420)
Quyidagi mulohazalardan qaysi biri noto'g'ri?

　A) *Teng tomonli uchburchakning balandliklari*
　　uchidan boshlab hisoblanganda kesishish
　　nuqtasida 2:1 nisbatda bo'linadi.

　B) *Agar ikkita teng yonli uchburchakning*
　　asoslari va asoslaridagi burchaklari teng
　　bo'lsa, bunday uchburchaklar tengdir.

　C) *Qavariq beshburchak ichki burchaklarining*
　　yig'indisi 540° ga teng.

　D) Agar bir uchburchakning bir tomoni va
　　shu tomon qarshisidagi burchagi,
　　ikkinchi uchburchakning bir tomoni va
　　shu tomon qarshisidagi burchagiga mos
　　ravishda teng bo'lsa, bu uchburchaklar
　　tengdir.

2308.　　4.1-1 file-» 23 - 3 - -　　　(315421)
Aylananing MN vatari 120° li yoyni tortib
turadi. MN vatar o'zi tortib turgan kichik
yoyning ixtiyoriy nuqtasidan qanday burchak
ostida ko'rinadi?

A) 270°　　**B)** 120°　　C) 100°　　D) 110°

2309. 4.1-1 file-» 23 - 4 - - (315422)
130° li yoyga tiralgan vatar aylanani ikki qismga ajratadi. Katta yoyning ixtiyoriy nuqtasidan qaraganda, bu vatar qanday burchak ostida ko'rinadi?
A) 65° B) 115° C) 120° D) 70°

2310. 4.1-1 file-» 28 - 2 - - (315423)
Qo'shni burchaklardan biri ikinchisidan besh marta kichik bo'lsa, shu burchaklardan kattasini toping.
A) 150° B) 130° C) 140° D) 144°

2311. 4.1-1 file-» 13 - 4 - - (315424)
Ikki to'g'ri chiziqning kesishishidan hosil bo'lgan burchaklarning biri 40° ga teng. Qolgan burchaklarni toping.
A) 150°, 150°, 30° B) 110°, 110°, 110°
C) 60°, 60°, 30° **D)** 140°, 140°, 40°

2312. 4.1-1 file-» 5 - 13 - - 9 (315425)
Aylananing kesishuvchi ikki vatari orasidagi burchaklardan biri 100° ga teng. Shu burchakka qo'shni bo'lgan burchaklarning yig'indisini toping.
A) 100° B) 90° C) 200° **D)** 160°

2313. 4.1-1 file-» 22 - 13 - - (402006)
Uchburchak burchaklarining kattaliklari nisbati 2:3:1 kabi, kichik tomonining uzunligi esa 20 ga teng. Uchburchakning katta tomoni uzunligini toping.
A) 30 B) 50 C) 20 **D)** 40

2314. 4.1-1 file-» 22 - 13 - - (402007)
Teng yonli uchburchakning uchidagi burchagi 30° ga, asosiga tushirilgan balandligi 6 ga teng. Uchburchakning yon tomoniga tushirilgan balandligini aniqlang.
A) $12sin15°$ B) $6cos15°$ C) $6\sqrt{3}$
D) $2\sqrt{3}$

2315. 4.1-1 file-» 22 - 14 - - (402008)
Uchburchak burchaklarining kattaliklari nisbati 1:1:2 kabi, katta tomonining uzunligi esa 12 ga teng. Uchburchakning katta tomoniga tushirilgan balandligini toping.
A) $4\sqrt{2}$ **B)** 6 C) 8 D) 4

2316. 4.1-1 file-» 22 - 14 - - (402009)
Teng yonli uchburchakning uchidagi burchagi 60° ga, yon tomoniga tushirilgan balandligi 9 ga teng. Uchburchakning asosini toping.
A) 6 **B)** $6\sqrt{3}$ C) $\frac{9\sqrt{3}}{2}$ D) $3\sqrt{3}$

2317. 4.1-1 file-» 22 - 15 - - (402010)
Teng yonli uchburchakning yon tomoni 60 ga teng. Asosiga tushirilgan balandligi asosidan 60 ga kam. Shu uchburchakning asosini toping.
A) 80 B) 60 **C)** 96 D) 90

2318. 4.1-1 file-» 22 - 15 - - (402011)
Teng yonli uchburchakning asosi 12 ga, uchidagi burchagi 60° ga teng. Uchburchakning yon tomoniga tushirilgan balandligini toping.
A) 6 B) $8\sqrt{3}$ C) 9 **D)** $6\sqrt{3}$

2319. 4.1-1 file-» 16 - 1 - - (402012)
∠ MNO=35°; ∠ MEO=30°; ∠ NOE-?
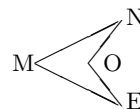
A) 105° B) 120° **C)** 130° D) 135°

2320. 4.1-1 file-» 16 - 2 - - (402013)
Shaklda AB=AC va ∠BMC=40° bo'lsa, ∠ANB necha gradusga teng?

A) 50° B) 60° **C)** 70° D) 80°

2321. 4.1-1 file-» 22 - 17 - - (402014)
Ikki parallel to'g'ri chiziqni uchinchi to'g'ri chiziq kesib o'tganda, hosil bo'lgan ichki bir tomonli burchaklardan biri ikkinchisidan 100° kichik. Shu burchaklardan kattasini toping.
A) 120° B) 110° **C)** 140° D) 130°

2322. 4.1-1 file-» 23 - 5 - - (402015)
Radiusi 15 ga teng aylananing markazidan 12 ga teng masofada joylashgan nuqta orqali diametr va unga perpedikulyar vatar o'tkazilgan. Shu vatarning uzunligini toping.
A) 24 **B)** 18 C) 21 D) 27

2323. 4.1-1 file-» 22 - 19 - - 4 (402016)
Teng yonli to'g'ri burchakli uchburchakning gipotenuzasi 36 ga teng. Unga to'g'ri to'rtburchak shunday ichki chizilganki, to'g'ri to'rtburchakning katta tomoni uchburchakning gipotenuzasida, qolgan ikki uchi esa katetlarida yotadi. Agar to'g'ri to'rtburchak tomonlarining nisbati 5:2 kabi bo'lsa, uning perimetrini toping.
A) 40 B) 54 **C)** 56 D) 72

2324. 4.1-1 file-» 23 - 17 - - 7 (402017)
ABC uchburchakning C uchidagi tashqi burchagi $90°$ ga teng. Agar $CA = 15$ va $CB = 20$ bo'lsa, AB tomonga tushirilgan CD medonaning uzunligini toping.

A) 25   B) 6,5   C) 10   **D) 12,5**

2325. 4.1-1 file-» 2 - 6 - - (402018)
Ichki burchagi $135°$ va tomonining uzunligi 6 ga teng muntazam ko'pburchakning perimetri nechaga teng bo'ladi?

A) 60   B) 36   C) 32   **D) 48**

2326. 4.1-1 file-» 32 - 1 - - (402019)
Bissektrisasi 12 ga teng muntazam uchburchakka tashqi chizilgan aylananing radiusini toping.

A) 8   B) 9   C) $8\sqrt{3}$ D) 6

2327. 4.1-1 file-» 32 - 1 - - (402020)
Uchburchakning tomonlari 6; 9 va 12 ga teng. Uchburchakning katta tomoniga tushirilgan bissektrisasi shu tomondan ajratgan kesmalardan kattasining uzunligini toping.

A) 7,6   B) 8   **C) 7,2**   D) 6,8

2328. 4.1-1 file-» 23 - 2 - - (402021)
Rombning kichik diagonali va tomoni $16\sqrt{3}$ ga teng. Rombga ichki chizilgan aylananing radiusini toping.

A) 13,5   **B) 12**   C) $8\sqrt{3}$ D) $12\sqrt{3}$

2329. 4.1-1 file-» 6 - 7 - - (402022)
To'g'ri burchakli uchburchak katetlarining gipotenuzasidagi proyeksiyalari 36 va 64 ga teng. Uchburchakka ichki chizilgan aylananing radiusi qancha?

A) 15   B) 40   C) 60   **D) 20**

2330. 4.1-1 file-» 6 - 7 - - (402023)
Uchlari A(0; 0), B(4; 3) va C(1; 7) nuqtalarda bo'lgan uchburchakning A burchagini toping.

A) $arccos0,9$ **B) $\dfrac{\pi}{4}$**   C) $\dfrac{\pi}{3}$
D) $arccos0,96$

2331. 4.1-1 file-» 6 - 8 - - (402024)
To'g'ri burchakli uchburchakning katetlaridan biri 8 sm, uning gipotenuzadagi proyeksiyasi esa 4 sm. Uchburchakka tashqi chizilgan aylananing radiusi necha sm?

A) 4   B) 5   C) 6   **D) 8**

2332. 4.1-1 file-» 6 - 8 - - (402025)
Uchlari $A(0; 0)$, $B(3; 4)$ va $C(-9; 12)$ nuqtalarda bo'lgan uchburchakning A burchagini toping.

A) $arccos0,96$ B) $arccos0,92$ C) $\dfrac{\pi}{24}$
D) $arccos0,28$

2333. 4.1-1 file-» 13 - 4 - - (402026)
Rombning tomoni unga ichki chizilgan aylananing urinish nuqtasida 2 va 32 ga teng kesmalarga bo'linadi. Ichki chizilgan aylananing radiusini toping.

A) 8   B) 10   C) 12   D) 6

2334. 4.1-1 file-» 22 - 17 - - (402027)
To'g'ri burchakli uchburchakning gipotenuzasi 25 ga, katetlaridan biri 15 ga teng. Ikkinchi katetning gipotenuzadagi proyeksiyasini toping.

A) 14   **B) 16**   C) 18   D) 20,4

2335. 4.1-1 file-» 22 - 17 - - (402028)
Uchburchakning asosi $8\sqrt{6}$ ga, yon tomonlari 13 va 19 ga teng. Asosiga tushirilgan medianasini toping.

A) 18   B) 12   C) 16   **D) 13**

2336. 4.1-1 file-» 22 - 18 - - (402029)
To'g'ri burchakli uchburchakning katetlari 20 va 15 ga teng. Kichik katetning gipotenuzadagi proyeksiyasini toping.

A) 6   **B) 9**   C) 8   D) 12

2337. 4.1-1 file-» 22 - 18 - - (402030)
Uchburchakning tomonlari 11 va 23 ga, uchinchi tomoniga tushirilgan medianasi $2\sqrt{39}$ ga teng. Uchburchakning uchinchi tomonini toping.

A) 30   **B) 26**   C) 25   D) 28

2338. 4.1-1 file-» 19 - 3 - - 9 (402031)
ABC uchburchakning bissektrisasi AC tomonni 28 va 12 ga teng bo'lgan kesmalarga ajratadi. Agar AB−BC=20 bo'lsa, berilgan uchburchakning perimetrini toping.

A) 90   B) 80   C) 85   D) 72

2339. 4.1-1 file-» 19 - 3 - - 9 (402032)
Teng yonli uchburchakka ichki chizilgan aylananing markazi uning asosiga tushirilgan balandligini, uchidan boshlab hisoblaganda, 15 va 9 ga teng kesmalarga ajratadi. Uchburchakning asosini toping.

A) 45   B) 9   **C) 36**   D) 14

2340. 4.1-1 file-» 2 - 5 - - 5 (402033)
To'g'ri burchakli uchburchakning tomonlari 24; 32 va 40 bo'lsa, unga ichki va tashqi chizilgan aylanalar markazlari orasidagi masofani toping.

A) $4\sqrt{5}$ B) $4\sqrt{6}$ C) $5\sqrt{2}$ D) 4

2341. 4.1-1 file-» 23 - 22 - - 1 (402034)
Tomonlari 11, 12 va $\sqrt{386}$ ga teng bo'lgan uchburchakning katta tomoniga tushirilgan medianasi uzunligini toping.

A) 10   **B) 6**   C) 8,5   D) 8

2342. 4.1-1 file-» 2 - 43 - - 8 (402035)

ABC uchburchakning A burchagi bissektrisasi BC tomonni uzunliklari 12 va 9 bo'lgan ikki kesmaga ajratadi. Agar AC−AB=9 bo'lsa, ABC uchburchakning perimetrini toping.

A) 84   B) 52   C) 46   D) 63

2343. 4.1-2 file-» 22 - 3 - - 3 (719511)

Katta yon tomoni 6 sm, o'tkir burchagi 30° bo'lgan to'g'ri burchakli trapetsiyaga aylana ichki chizilgan. Shu aylananing uzunligini toping.

A) 2π B) π C) 4π **D)** 3π

2344. 4.1-2 file-» 22 - 4 - - 3 (719512)

Uzunligi $\frac{\pi}{4}$ ga teng aylana o'tkir burchagi 30° bo'lgan rombga ichki chizilgan. Rombning perimetrini toping.

A) 2   B) 16   C) 8   D) 4

2345. 4.1-2 file-» 5 - 7 - - 3 (719513)

$A(-6;1)$ aylanadagi nuqta, $C(6;10)$ nuqta aylananing markazi bo'lsa, aylaning radiusini toping.

A) 14   B) 13   C) 16   **D)** 15

2346. 4.1-2 file-» 22 - 11 - - 3 (719514)

Uchburchakning asosiga tushirilgan medianasi uni perimetrlari 18 va 24 ga teng bo'lgan ikki uchburchakka ajratadi. Berilgan uchburchakning kichik yon tomoni 7 ga teng. Uning katta yon tomonini toping.

A) 10   B) 12   C) 14   **D)** 13

2347. 4.1-2 file-» 22 - 12 - - 3 (719515)

Uchburchakning 7 ga teng bo'lgan balandligi uni perimetrlari 18 va 26 bo'lgan ikkita uchburchakka ajratadi. Berilgan uchburchakning perimetrini toping.

A) 30   B) 31   C) 34   D) 36

2348. 4.1-2 file-» 22 - 13 - - 3 (719516)

Teng yonli uchburchakning uchidagi burchagi 106°. Asosidagi burchaklarning bissektrisalari kesishishidan hosil bo'lgan o'tkir burchakni toping.

A) 37°   B) 43°   C) 48°   D) 47°

2349. 4.1-2 file-» 22 - 14 - - 3 (719518)

Teng yonli uchburchakning yon tomoniga tushirilgan balandligi bilan ikkinchi yon tomoni orasidagi burchak 26° ga teng. Teng yonli uchburchakning asosidagi burchagini toping.

A) 50°   B) 48°   C) 55°   **D)** 58°

2350. 4.1-2 file-» 22 - 14 - - 1 (719519)

Teng yonli uchburchakning balandligi 20 ga teng. Yon tomoni asosidan 5 ga kam. Shu uchburchakning asosini toping.

A) 20   B) 40   **C)** 30   D) 24

2351. 4.1-2 file-» 51 - 1 - - (719520)

ABC uchburchakning perimetri 36 ga teng. A burchagining bissektrisasi BC tomonini 5 va 4 ga teng bo'laklarga bo'ladi. Uchburchak katta tomonining uzunligini toping.

A) *15*   B) *16*   C) *17*   D) *14*

2352. 4.1-2 file-» 51 - 2 - - (719521)

Teng yonli uchburchakning perimetri 20 ga, asosiga parallel o'rta chizig'i 4 ga teng. Uning yon tomonining asosiga nisbatini toping.

A) $\frac{3}{4}$ B) $\frac{1}{2}$ C) $\frac{4}{3}$ D) 2

2353. 4.1-3 file-» 50 - 122 - - (704514)

Uchburchakning 25 ga teng balandligi uning asosi uzunligini 7 : 25 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.

A) 20   B) 22,5   C) 19   D) 13

2354. 4.1-3 file-» 50 - 122 - - (704515)

Uchburchakning 5 ga teng balandligi uning asosi uzunligini 7 : 25 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.

A) 3   **B)** 4   C) 4,5   D) 3

2355. 4.1-3 file-» 50 - 122 - - (704516)

Uchburchakning 6 ga teng balandligi uning asosi uzunligini 7 : 18 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.

A) 4   B) 3,5   **C)** 5   D) 5,5

2356. 4.1-3 file-» 50 - 122 - - (704517)

Uchburchakning 10 ga teng balandligi uning asosi uzunligini 7 : 25 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.

A) 9   B) 7   C) 5,5   **D)** 8

2357. 4.1-3 file-» 50 - 122 - - (704518)

Uchburchakning 20 ga teng balandligi uning asosi uzunligini 1 : 8 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.

A) 15   B) 17,5   C) 14   D) 10,5

2358.   4.1-3 file-» 50 - 122 - -   (704519)
Uchburchakning 15 ga teng balandligi uning asosi uzunligini 7 : 25 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.

A) 8   **B)** 12   C) 13,5   D) 11

2359.   4.1-3 file-» 50 - 122 - -   (704520)
Uchburchakning 12 ga teng balandligi uning asosi uzunligini 1 : 8 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.

A) 8   B) 6,5   **C)** 9   D) 10,5

2360.   4.1-3 file-» 50 - 122 - -   (704521)
Uchburchakning 20 ga teng balandligi uning asosi uzunligini 7 : 25 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.

A) 18   B) 15   C) 10,5   **D)** 16

2361.   4.1-3 file-» 50 - 122 - -   (704522)
Uchburchakning 16 ga teng balandligi uning asosi uzunligini 1 : 8 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.

A) 12   B) 14   C) 11   D) 8,5

2362.   4.1-3 file-» 50 - 122 - -   (704523)
Uchburchakning 4 ga teng balandligi uning asosi uzunligini 1 : 8 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.

A) 2,5   **B)** 3   C) 3,5   D) 2

2363.   4.1-3 file-» 50 - 122 - -   (704524)
Uchburchakning 24 ga teng balandligi uning asosi uzunligini 1 : 8 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.

A) 17   B) 12,5   **C)** 18   D) 21

2364.   4.1-3 file-» 50 - 122 - -   (704525)
Uchburchakning 18 ga teng balandligi uning asosi uzunligini 7 : 18 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.

A) 16,5   B) 14   C) 9,5   **D)** 15

2365.   4.1-3 file-» 50 - 122 - -   (704526)
Uchburchakning 8 ga teng balandligi uning asosi uzunligini 1 : 8 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.

A) 6   B) 7   C) 5   D) 4,5

2366.   4.1-3 file-» 50 - 122 - -   (704527)
Uchburchakning 24 ga teng balandligi uning asosi uzunligini 7 : 18 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.

A) 12,5   **B)** 20   C) 22   D) 19

2367.   4.1-3 file-» 50 - 122 - -   (704528)
Uchburchakning 12 ga teng balandligi uning asosi uzunligini 7 : 18 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.

A) 9   B) 6,5   **C)** 10   D) 11

2368.   4.1-3 file-» 50 - 122 - -   (704529)
To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 4 : 5 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.

A) $\dfrac{3}{5}$ **B)** $\dfrac{1}{2}$ C) $\dfrac{2}{3}$ D) $\dfrac{1}{3}$

2369.   4.1-3 file-» 50 - 122 - -   (704530)
To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 5 : 13 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.

A) $\dfrac{1}{6}$ B) $\dfrac{3}{8}$ **C)** $\dfrac{1}{5}$ D) $\dfrac{1}{3}$

2370.   4.1-3 file-» 50 - 122 - -   (704531)
To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 6 : 10 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.

A) $\dfrac{1}{2}$ B) $\dfrac{1}{4}$ C) $\dfrac{1}{5}$ **D)** $\dfrac{1}{3}$

2371.   4.1-3 file-» 50 - 122 - -   (704532)
To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 7 : 25 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.

A) $\dfrac{1}{7}$ B) $\dfrac{1}{4}$ C) $\dfrac{1}{8}$ D) $\dfrac{3}{10}$

2372. 4.1-3 file-» 50 - 122 - - (704533)
To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 8 : 10 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.

A) $\frac{3}{5}$ **B)** $\frac{1}{2}$ C) $\frac{2}{3}$ D) $\frac{1}{3}$

2373. 4.1-3 file-» 50 - 122 - - (704534)
To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 8 : 17 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.

A) $\frac{1}{5}$ B) $\frac{3}{7}$ **C)** $\frac{1}{4}$ D) $\frac{2}{5}$

2374. 4.1-3 file-» 50 - 122 - - (704535)
To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 9 : 15 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.

A) $\frac{1}{2}$ B) $\frac{1}{4}$ C) $\frac{1}{5}$ **D)** $\frac{1}{3}$

2375. 4.1-3 file-» 50 - 122 - - (704536)
To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 9 : 41 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.

A) $\frac{1}{9}$ B) $\frac{1}{5}$ C) $\frac{1}{10}$ D) $\frac{1}{4}$

2376. 4.1-3 file-» 50 - 122 - - (704537)
To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 10 : 26 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.

A) $\frac{3}{8}$ **B)** $\frac{1}{5}$ C) $\frac{1}{3}$ D) $\frac{1}{6}$

2377. 4.1-3 file-» 50 - 122 - - (704538)
To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 12 : 13 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.

A) $\frac{1}{2}$ B) $\frac{1}{5}$ **C)** $\frac{2}{3}$ D) $\frac{3}{4}$

2378. 4.1-3 file-» 50 - 122 - - (704539)
To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 12 : 15 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.

A) $\frac{2}{3}$ B) $\frac{1}{3}$ C) $\frac{3}{5}$ **D)** $\frac{1}{2}$

2379. 4.1-3 file-» 50 - 122 - - (704540)
To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 12 : 20 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.

A) $\frac{1}{3}$ B) $\frac{1}{2}$ C) $\frac{1}{4}$ D) $\frac{1}{5}$

2380. 4.1-3 file-» 50 - 122 - - (704541)
To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 12 : 37 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.

A) $\frac{1}{3}$ **B)** $\frac{1}{6}$ C) $\frac{2}{7}$ D) $\frac{1}{7}$

2381. 4.1-3 file-» 50 - 122 - - (704542)
To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 14 : 50 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.

A) $\frac{1}{8}$ B) $\frac{3}{10}$ **C)** $\frac{1}{7}$ D) $\frac{1}{4}$

2382. 4.1-3 file-» 50 - 122 - - (704543)
To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 15 : 17 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.

A) $\frac{2}{3}$ B) $\frac{1}{2}$ C) $\frac{5}{8}$ **D)** $\frac{3}{5}$

2383. 4.1-3 file-» 51 - 1 - - (719522)
Uchburchakning ikki tomoni 7 va 17 ga teng. Shu uchburchakning uchinchi tomoni nechta har xil butun qiymatlarni qabul qilishi mumkin?

A) 12 **B)** 13 C) 17 D) 14

2384. 4.1-3 file-» 51 - 1 - - (719523)
To'g'ri burchakli uchburchakning katetlari 4 va 6 ga teng. Uning to'g'ri burchagi bissektrisasi uzunligini toping.

A) $2\sqrt{2}$ **B)** $\frac{12\sqrt{2}}{5}$ C) $3\sqrt{2}$ D) $\frac{5\sqrt{2}}{12}$

2385. 4.1-3 file-» 51 - 2 - - (719524)
Uchburchakning ikki tomoni uzunliklari 6 va 8 sm. Uchinchi tomoni uzunligi butun son bo'lsa, shunday uchburchaklar nechta?

A) 11 B) 13 C) 12 D) 8

2386. 4.1-3 file-» 58 - 1 - - (719525)
Teng yonli uchburchakning asosi 24 ga, yon tomoni 15 ga teng. Unga ichki chizilgan va tashqi chizilgan aylanalar radiuslarining ko'paytmasini toping.

A) 25 B) 48 C) 100 **D)** 50

2387.   4.1-3 file-» 50 - 129 - -   (719526)
To'g'ri burchakli uchburchakka ichki va tashqi chizilgan aylanalarning radiuslari mos ravishda 4 va 13 ga teng. Berilgan uchburchakning perimetrini toping.

A) 60   B) 34   C) 45   D) 68

2388.   4.1-3 file-» 50 - 129 - -   (719527)
To'g'ri burchakli uchburchakka ichki va tashqi chizilgan aylanalarning radiuslari mos ravishda 6 va 25 ga teng. Berilgan uchburchakning perimetrini toping.

A) 124   **B)** 112   C) 62   D) 84

2389.   4.1-3 file-» 50 - 129 - -   (719528)
To'g'ri burchakli uchburchakka ichki va tashqi chizilgan aylanalarning radiuslari mos ravishda 6 va 17 ga teng. Berilgan uchburchakning perimetrini toping.

A) 60   B) 92   **C)** 80   D) 46

2390.   4.1-3 file-» 50 - 129 - -   (719529)
To'g'ri burchakli uchburchakka ichki va tashqi chizilgan aylanalarning radiuslari mos ravishda 10 va 61 ga teng. Berilgan uchburchakning perimetrini toping.

A) 142   B) 198   C) 284   **D)** 264

2391.   4.1-3 file-» 50 - 129 - -   (719530)
To'g'ri burchakli uchburchakka ichki va tashqi chizilgan aylanalarning radiuslari mos ravishda 10 va 37 ga teng. Berilgan uchburchakning perimetrini toping.

A) 168   B) 94   C) 126   D) 188

2392.   4.1-3 file-» 50 - 129 - -   (719531)
To'g'ri burchakli uchburchakka ichki va tashqi chizilgan aylanalarning radiuslari mos ravishda 14 va 65 ga teng. Berilgan uchburchakning perimetrini toping.

A) 316   **B)** 288   C) 158   D) 216

2393.   4.1-3 file-» 50 - 129 - -   (719532)
To'g'ri burchakli uchburchakka ichki va tashqi chizilgan aylanalarning radiuslari mos ravishda 12 va 29 ga teng. Berilgan uchburchakning perimetrini toping.

A) 105   B) 164   **C)** 140   D) 82

2394.   4.1-3 file-» 50 - 129 - -   (719533)
To'g'ri burchakli uchburchakka ichki va tashqi chizilgan aylanalarning radiuslari mos ravishda 20 va 53 ga teng. Berilgan uchburchakning perimetrini toping.

A) 146   B) 189   C) 292   **D)** 252

2395.   4.1-3 file-» 50 - 129 - -   (719534)
Radiusi 3 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 60 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.

A) 10   B) 14   C) 20   **D)** 18

2396.   4.1-3 file-» 50 - 129 - -   (719535)
Radiusi 4 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 80 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.

A) 16   B) 10   C) 14   D) 20

2397.   4.1-3 file-» 50 - 129 - -   (719536)
Radiusi 6 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 180 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.

A) 30   **B)** 24   C) 15   D) 21

2398.   4.1-3 file-» 50 - 129 - -   (719537)
Radiusi 6 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 240 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.

A) 28   B) 40   **C)** 36   D) 20

2399.   4.1-3 file-» 50 - 129 - -   (719538)
Radiusi 8 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 320 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.

A) 20   B) 28   C) 40   **D)** 32

2400.   4.1-3 file-» 50 - 129 - -   (719539)
Radiusi 10 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 500 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.

A) 40   B) 25   C) 35   D) 50

2401.   4.1-3 file-» 50 - 129 - -   (719540)
Radiusi 12 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 600 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.

A) 50   **B)** 32   C) 25   D) 31

2402.   4.1-3 file-» 50 - 129 - -   (719541)
Radiusi 5 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 260 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.

A) 34   B) 52   **C)** 50   D) 26

2403.   4.1-3 file-» 50 - 129 - -   (719542)
Radiusi 12 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 624 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.

A) 26   B) 34   C) 52   **D)** 36

2404.   4.1-3 file-» 50 - 129 - -   (719543)
Radiusi 10 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 580 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.

A) 50   B) 29   C) 41   D) 58

2405.   4.1-3 file-» 50 - 129 - -   (719544)
Radiusi 9 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 540 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.

A) 60   **B)** 54   C) 30   D) 42

2406.   4.1-3 file-» 50 - 129 - -   (719545)
Radiusi 3 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 60 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.

A) 8   B) 9   **C)** 2   D) 5

2407.   4.1-3 file-» 50 - 129 - -   (719546)
Radiusi 4 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 80 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.

A) 5   B) 6   C) 8   **D)** 4

2408.   4.1-3 file-» 50 - 129 - -   (719547)
Radiusi 6 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 180 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.

A) 6   B) $\frac{15}{2}$ C) 9   D) 12

2409.   4.1-3 file-» 50 - 129 - -   (719548)
Radiusi 6 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 240 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.

A) 18   **B)** 4   C) 10   D) 16

2410.   4.1-3 file-» 50 - 129 - -   (719549)
Radiusi 8 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 320 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.

A) 12   B) 16   **C)** 8   D) 10

2411.   4.1-3 file-» 50 - 129 - -   (719550)
Radiusi 10 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 500 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.

A) $\frac{25}{2}$ B) 15   C) 20   **D)** 10

2412.   4.1-3 file-» 50 - 129 - -   (719551)
Radiusi 12 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 600 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.

A) 18   B) $\frac{25}{2}$ C) 7   D) 16

2413.   4.1-3 file-» 50 - 129 - -   (719552)
Radiusi 5 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 260 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.

A) 25   **B)** 2   C) 13   D) 24

2414.   4.1-3 file-» 50 - 129 - -   (719553)
Radiusi 12 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 624 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.

A) 10   B) 18   **C)** 16   D) 13

2415.   4.1-3 file-» 50 - 129 - -   (719554)
Radiusi 10 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 580 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.

A) $\frac{29}{2}$ B) 21   C) 25   **D)** 8

2416.   4.1-3 file-» 50 - 129 - -   (719555)
Radiusi 9 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 540 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.

A) 6   B) 15   C) 24   D) 27

2417.   4.2-2 file-» 22 - 2 - -   (14248)
Тўғри бурчакли учбурчакнинг гипотенузаси 75 см, катетлари эса ўзаро 7:24 нисбатда. Шу учбурчакнинг катта катетини топинг.

A) 63   B) 36   **C)** 72   D) 42

2418.   4.2-2 file-» 22 - 3 - -   (14307)
Тўғри бурчакли учбурчак катетларидан бири 12 см, гипотенузаси эса иккинчи катетдан 4 см узун. Гипотенузанинг узунлигини топинг.

A) 20   B) 22   C) 16   D) 18

2419.   4.2-2 file-» 22 - 4 - -   (14366)
Тўғри бурчакли учбурчак катетларидан бири 15 см, иккинчиси эса гипотенузадан 3 см қисқа. Шу учбурчак гипотенузасини топинг.

A) 36   B) 20   C) 25   **D)** 39

2420.   4.2-2 file-» 5 - 10 - -   (36095)
Тенг ёнли учбурчакнинг асоси 40 га, унга туширилган баландлиги 21 га тенг. Учбурчакнинг ён томонини топинг.

A) 29   B) 27   C) 31   D) 19

2421.   4.2-2 file-» 5 - 10 - -   (36099)
Тўғри бурчакли учбурчакнинг бир катети $4\sqrt{3}$ га, бу катет қаршисидаги бурчак 60^0 га тенг. Иккинчи катетни топинг.

A) $2\sqrt{3}$ **B)** 4   C) $\frac{4\sqrt{3}}{3}$ D) $\sqrt{2}$

2422.   4.2-2 file-» 5 - 7 - -   (36152)
Тенг ёнли учбурчакнинг баландлиги 7 га, асоси 48 га тенг. Унинг ён томонини топинг.

A) 45   B) 31   **C)** 25   D) 55

2423. 4.2-2 file-» 5 - 7 - - (36156)
Тўғри бурчакли учбурчакнинг катети $6\sqrt{3}$ га, бу катет қаршисидаги бурчак 60° га тенг. Шу учбурчакнинг гипотенузасини топинг.

A) 12   B) $4\sqrt{3}$ C) $6\sqrt{3}$ D) $3\sqrt{3}$

2424. 4.2-2 file-» 12 - 1 - - (56554)
Учбурчакнинг томонлари 4; 5 ва 6 га тенг. 5 га тенг бўлган томон қаршисидаги бурчакнинг косинусини топинг.

A) $\frac{7}{16}$ **B)** $\frac{9}{16}$ C) $\frac{7}{8}$ D) $\frac{1}{8}$

2425. 4.2-2 file-» 12 - 1 - - (56556)
Чизмада ∠DEB=60°, BE=6 ва DE=4 (учбурчакнинг ўрта чизиғи) бўлса, AB ни топинг.

B

D⎯⎯E

A⎯⎯⎯⎯C
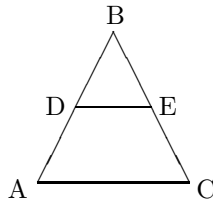
A) $3\sqrt{7}$ B) $5\sqrt{7}$ **C)** $4\sqrt{7}$ D) 7

2426. 4.2-2 file-» 13 - 1 - - 1 (64219)
$\triangle ABC$ да $\angle B = 90°, \angle C = 60°$. BB_1 баландлик 3 га тенг. AB ни топинг.

A) 6   B) 12   C) $6\sqrt{3}$ D) $6\sqrt{2}$

2427. 4.2-2 file-» 12 - 2 - - 7 (71844)
ABC учбурчакда $AB = 3, CB = 4$ ва $cosB = -\frac{11}{24}$ бўлса, AC нинг қийматини топинг.

A) 2   **B)** 6   C) 3   D) 4

2428. 4.2-2 file-» 35 - 1 - - 1 (121861)
Бир бурчаги 150° бўлган учбурчакка ташқи чизилган айлананинг радиуси 2 га тенг. Учбурчак катта томонининг узунлигини топинг.

A) 1   **B)** 2   C) 3   D) 4

2429. 4.2-2 file-» 35 - 1 - - 1 (121862)
ABC учбурчакнинг A бурчаги 45° га, BC томони $3\sqrt{2}$ га тенг. Шу учбурчакка ташқи чизилган айлананинг радиусини топинг.

A) 1   B) 2   **C)** 3   D) 6

2430. 4.2-2 file-» 51 - 1 - - (175058)
Тўғри бурчакли учбурчакнинг ўткир бурчаклари учидан туширилган баландликлари 7 ва 24 га тенг. Шу учбурчакнинг юзини топинг.

A) 168   **B)** 84   C) 175   D) 56

2431. 4.2-2 file-» 55 - 1 - - (180975)
Катетлари 7 ва 24 бўлган тўғри бурчакли учбурчакнинг гипотенузасига туширилган баландлигини топинг.

A) $6,72$ B) $6,62$ C) $6,82$ D) $6\frac{8}{25}$

2432. 4.2-2 file-» 5 - 3 - - (315426)
Uchburchakning tomonlari 4; 5 va 6 sm. 4 sm li tomonning 6 sm li tomondagi proyeksiyasi necha sm?

A) $2\frac{1}{4}$ B) $3\frac{3}{4}$ C) $3\frac{1}{4}$ D) $4\frac{3}{4}$

2433. 4.2-2 file-» 5 - 4 - - (315427)
Uchburchakning tomonlari 4; 5 va 6 m. 5 m li tomonning 6 m li tomondagi proyeksiyasi necha m?

A) $3\frac{3}{4}$ B) $2\frac{1}{4}$ C) $3\frac{1}{4}$ D) $4\frac{3}{4}$

2434. 4.2-2 file-» 5 - 5 - - (315428)
Uchburchakning tomonlari 6; 7 va 8 m. 6 m li tomonning 8 m li tomondagi proyeksiyasi necha m ?

A) $4\frac{3}{16}$ **B)** $3\frac{3}{16}$ C) $4\frac{7}{16}$ D) $4\frac{13}{16}$

2435. 4.2-2 file-» 22 - 2 - - (315429)
To'g'ri burchakli uchburchakning gipotenuzasi 75 sm, katetlari esa o'zaro 7:24 nisbatda. Shu uchburchakning katta katetini toping.

A) 63   B) 36   **C)** 72   D) 42

2436. 4.2-2 file-» 22 - 2 - - (315430)
Aylananing ikkita kesishuvchi vatarlaridan birining uzunligi 36 sm, ikkinchisi kesishish nuqtasida 18 sm va 16 sm li kesmalarga ajraladi. Birinchi vatarning kesmalarini aniqlang.

A) 12 va 24   B) 16 va 20   C) 17 va 19   D) 22 va 14

2437. 4.2-2 file-» 22 - 3 - - (315431)
To'g'ri burchakli uchburchak katetlaridan biri 12 sm, gipotenuzasi esa ikkinchi katetdan 4 sm uzun. Gipotenuzaning uzunligini toping.

A) 20   B) 22   C) 16   D) 18

2438. 4.2-2 file-» 22 - 4 - - (315432)
To'g'ri burchakli uchburchak katetlaridan biri 15 sm, ikkinchisi esa gipotenuzadan 3 sm qisqa. Shu uchburchak gipotenuzasini toping.

A) 36   B) 20   C) 25   **D)** 39

2439. 4.2-2 file-» 5 - 10 - - (315433)
Teng yonli uchburchakning asosi 40 ga, unga tushirilgan balandligi 21 ga teng. Uchburchakning yon tomonini toping.

A) 29   B) 27   C) 31   D) 19

2440. 4.2-2 file-» 5 - 10 - - (315434)
To'g'ri burchakli uchburchakning bir kateti $4\sqrt{3}$ ga, bu katet qarshisidagi burchak 60^0 ga teng. Ikkinchi katetni toping.

A) $2\sqrt{3}$ **B)** 4 C) $\dfrac{4\sqrt{3}}{3}$ D) $\sqrt{2}$

2441. 4.2-2 file-» 5 - 7 - - (315435)
Teng yonli uchburchakning balandligi 7 ga, asosi 48 ga teng. Uning yon tomonini toping.

A) 45 B) 31 **C)** 25 D) 55

2442. 4.2-2 file-» 5 - 7 - - (315436)
To'g'ri burchakli uchburchakning kateti $6\sqrt{3}$ ga, bu katet qarshisidagi burchak $60°$ ga teng. Shu uchburchakning gipotenuzasini toping.

A) 12 B) $4\sqrt{3}$ C) $6\sqrt{3}$ D) $3\sqrt{3}$

2443. 4.2-2 file-» 12 - 1 - - (315437)
Uchburchakning tomonlari 4; 5 va 6 ga teng. 5 ga teng bo'lgan tomon qarshisidagi burchakning kosinusini toping.

A) $\dfrac{7}{16}$ **B)** $\dfrac{9}{16}$ C) $\dfrac{7}{8}$ D) $\dfrac{1}{8}$

2444. 4.2-2 file-» 12 - 1 - - (315438)
To'g'ri burchakli uchburchakning gipotenuzasi $32\dfrac{2}{3}$ ga, katetlaridan biri 14 ga teng. Shu katetning gipotenuzadagi proyeksiyasini toping.

A) 6 B) 12 C) 8 D) 7

2445. 4.2-2 file-» 12 - 1 - - (315439)
Chizmada ∠DEB=60°, BE=6 va DE=4 (uchburchakning o'rta chizig'i) bo'lsa, AB ni toping.
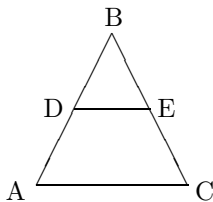
A) $3\sqrt{7}$ B) $5\sqrt{7}$ **C)** $4\sqrt{7}$ D) 7

2446. 4.2-2 file-» 13 - 1 - - 1 (315440)
$\triangle ABC$ da $\angle B = 90°, \angle C = 60°$. BB_1 balandlik 3 ga teng. AB ni toping.

A) 6 B) 12 C) $6\sqrt{3}$ D) $6\sqrt{2}$

2447. 4.2-2 file-» 12 - 2 - - 7 (315441)
ABC uchburchakda $AB = 3, CB = 4$ va $cosB = -\dfrac{11}{24}$ bo'lsa, AC ning qiymatini toping.

A) 2 **B)** 6 C) 3 D) 4

2448. 4.2-2 file-» 12 - 2 - - 7 (315442)
To'g'ri burchakli uchburchakning gipotenuzasi 30 ga, katetlaridan biri $12\sqrt{5}$ ga teng. Ikkinchi katetning gipotenuzadagi proyeksiyasini toping.

A) 8 B) 5 **C)** 6 D) 7

2449. 4.2-2 file-» 35 - 1 - - 1 (315443)
Bir burchagi 150° bo'lgan uchburchakka tashqi chizilgan aylananing radiusi 2 ga teng. Uchburchak katta tomonining uzunligini toping.

A) 1 **B)** 2 C) 3 D) 4

2450. 4.2-2 file-» 35 - 1 - - 1 (315444)
ABC uchburchakning A burchagi 45° ga, BC tomoni $3\sqrt{2}$ ga teng. Shu uchburchakka tashqi chizilgan aylananing radiusini toping.

A) 1 B) 2 **C)** 3 D) 6

2451. 4.2-2 file-» 2 - 41 - - 4 (315446)
To'g'ri burchakli uchburchakning katetlari 3 va 5 ga teng bo'lib, bu uchburchakka u bilan umumiy to'g'ri burchakka ega bo'lgan kvadrat ichki chizilgan. Kvadratning perimetrini toping.

A) 8 **B)** 7,5 C) 9,5 D) 7

2452. 4.2-2 file-» 32 - 1 - - (315447)
Katetlarining gipotenuzadagi proyeksiyalari 2 va 18 ga teng bo'lgan to'g'ri burchakli uchburchakning yuzini toping.

A) 90 B) 72 C) 36 **D)** 60

2453. 4.2-2 file-» 51 - 1 - - (315448)
To'g'ri burchakli uchburchakning o'tkir burchaklari uchidan tushirilgan balandliklari 7 va 24 ga teng. Shu uchburchakning yuzini toping.

A) 168 **B)** 84 C) 175 D) 56

2454. 4.2-2 file-» 52 - 1 - - (315449)
To'g'ri burchakli uchburchakning gipotenuzasi 6,4 ga teng. Gipotenuza bilan o'tkir burchakning bissektrisasi $22,5°$ li burchak tashkil qiladi. Berilgan burchakli uchburchakning yuzini toping.

A) 10,24 B) 102,4 C) 20,48 D) 12,8

2455. 4.2-2 file-» 55 - 1 - - (315450)
Katetlari 7 va 24 bo'lgan to'g'ri burchakli uchburchakning gipotenuzasiga tushirilgan balandligini toping.

A) 6,72 B) 6,62 C) 6,82 D) $6\dfrac{8}{25}$

2456. 4.2-2 file-» 55 - 1 - - (315451)
To'g'ri burchakli uchburchakning katetlari 12 va 16. Katta katetning gipotenuzadagi proyeksiyasini toping.

A) $12\dfrac{4}{5}$ B) $11\dfrac{3}{5}$ C) $7\dfrac{1}{5}$ D) $8\dfrac{2}{5}$

2457.   4.2-2 file-» 50 - 19 - -   (402036)
To'g'ri burchakli uchburchakning balandligi gipotenuzani 3 va 12 ga teng kesmalarga ajratadi. Shu balandlikni toping.

A) 6   B) $6\sqrt{2}$ C) 12   D) $6\sqrt{3}$

2458.   4.2-2 file-» 50 - 19 - -   (402037)
To'g'ri burchakli uchburchakning balandligi gipotenuzani 32 va 2 ga teng kesmalarga ajratadi. Shu balandlikni toping.

A) $5\frac{1}{3}$ **B)** 8   C) 16   D) $8\sqrt{2}$

2459.   4.2-2 file-» 50 - 19 - -   (402038)
To'g'ri burchakli uchburchakning balandligi gipotenuzani 5 va 20 ga teng kesmalarga ajratadi. Shu balandlikni toping.

A) $10\sqrt{2}$ B) $6\frac{2}{3}$ **C)** 10   D) $10\sqrt{3}$

2460.   4.2-2 file-» 50 - 19 - -   (402039)
To'g'ri burchakli uchburchakning balandligi gipotenuzani 8 va 18 ga teng kesmalarga ajratadi. Shu balandlikni toping.

A) $12\sqrt{2}$ B) 8   C) 24   **D)** 12

2461.   4.2-2 file-» 50 - 19 - -   (402040)
To'g'ri burchakli uchburchakning balandligi gipotenuzani 98 va 2 ga teng kesmalarga ajratadi. Shu balandlikni toping.

A) $14\sqrt{3}$ B) 28   **C)** 14   D) $14\sqrt{2}$

2462.   4.2-2 file-» 50 - 19 - -   (402041)
To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 9 ga teng. Berilgan uchburchakning katta katetini toping.

A) 18   B) 4,5   C) $\frac{9\sqrt{3}}{2}$ D) $9\sqrt{3}$

2463.   4.2-2 file-» 50 - 19 - -   (402042)
To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 12 ga teng. Berilgan uchburchakning katta katetini toping.

A) $8\sqrt{3}$ **B)** 24   C) 6   D) $6\sqrt{3}$

2464.   4.2-2 file-» 50 - 19 - -   (402043)
To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 15 ga teng. Berilgan uchburchakning katta katetini toping.

A) $\frac{15\sqrt{3}}{2}$ B) $5\sqrt{3}$ **C)** 30   D) $10\sqrt{3}$

2465.   4.2-2 file-» 50 - 19 - -   (402044)
To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 18 ga teng. Berilgan uchburchakning katta katetini toping.

A) $12\sqrt{3}$ B) $6\sqrt{3}$ C) $9\sqrt{3}$ **D)** 36

2466.   4.2-2 file-» 50 - 19 - -   (402045)
To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 21 ga teng. Berilgan uchburchakning katta katetini toping.

A) $14\sqrt{3}$ **B)** 42   C) $\frac{21\sqrt{3}}{2}$ D) $21\sqrt{3}$

2467.   4.2-2 file-» 50 - 19 - -   (402046)
To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 6 ga teng. Berilgan uchburchakning kichik katetini toping.

A) $4\sqrt{3}$ B) 3   C) $3\sqrt{3}$ D) $6\sqrt{3}$

2468.   4.2-2 file-» 50 - 19 - -   (402047)
To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 9 ga teng. Berilgan uchburchakning kichik katetini toping.

A) 4,5   **B)** $6\sqrt{3}$ C) $\frac{9\sqrt{3}}{2}$ D) $9\sqrt{3}$

2469.   4.2-2 file-» 50 - 19 - -   (402048)
To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 12 ga teng. Berilgan uchburchakning kichik katetini toping.

A) 24   B) $12\sqrt{3}$ **C)** $8\sqrt{3}$ D) $6\sqrt{3}$

2470.   4.2-2 file-» 50 - 19 - -   (402049)
To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 15 ga teng. Berilgan uchburchakning kichik katetini toping.

A) 7,5   B) $\frac{15\sqrt{3}}{2}$ C) $15\sqrt{3}$ **D)** $10\sqrt{3}$

2471.   4.2-2 file-» 50 - 19 - -   (402050)
To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 21 ga teng. Berilgan uchburchakning kichik katetini toping.

A) $14\sqrt{3}$ B) $21\sqrt{3}$ C) $\frac{21\sqrt{3}}{2}$ D) 42

2472. 4.2-3 file-» 50 - 123 - - (704544)
Tomonlarining uzunliklari 7, 11 va 12 ga teng uchburchakning katta burchagini toping.

A) $\arccos\left(\dfrac{9}{11}\right)$ B) $\arccos\left(\dfrac{13}{154}\right)$

C) $\arccos\left(\dfrac{13}{77}\right)$ D) $\arccos\left(\dfrac{3}{7}\right)$

2473. 4.2-3 file-» 50 - 123 - - (704545)
Tomonlarining uzunliklari 8, 9 va 11 ga teng uchburchakning katta burchagini toping.

A) $\arccos\left(\dfrac{13}{22}\right)$ B) $\arccos\left(\dfrac{23}{33}\right)$

C) $\arccos\left(\dfrac{1}{12}\right)$ **D)** $\arccos\left(\dfrac{1}{6}\right)$

2474. 4.2-3 file-» 50 - 123 - - (704546)
Tomonlarining uzunliklari 8, 9 va 12 ga teng uchburchakning katta burchagini toping.

A) $\arccos\left(\dfrac{1}{144}\right)$ B) $\arccos\left(\dfrac{127}{192}\right)$

C) $\arccos\left(\dfrac{161}{216}\right)$ D) $\arccos\left(\dfrac{1}{288}\right)$

2475. 4.2-3 file-» 50 - 123 - - (704547)
Tomonlarining uzunliklari 8, 11 va 12 ga teng uchburchakning katta burchagini toping.

A) $\arccos\left(\dfrac{41}{352}\right)$ **B)** $\arccos\left(\dfrac{41}{176}\right)$

C) $\arccos\left(\dfrac{29}{64}\right)$ D) $\arccos\left(\dfrac{67}{88}\right)$

2476. 4.2-3 file-» 50 - 123 - - (704548)
Tomonlarining uzunliklari 9, 11 va 12 ga teng uchburchakning katta burchagini toping.

A) $\arccos\left(\dfrac{23}{33}\right)$ B) $\arccos\left(\dfrac{29}{198}\right)$

C) $\arccos\left(\dfrac{29}{99}\right)$ D) $\arccos\left(\dfrac{13}{27}\right)$

2477. 4.2-3 file-» 50 - 123 - - (704549)
Tomonlarining uzunliklari 6, 7 va 9 ga teng uchburchakning kichik burchagini toping.

A) $\arccos\dfrac{47}{126}$ **B)** $\arccos\dfrac{47}{63}$ C) $\arccos\dfrac{17}{27}$

D) $\arccos\dfrac{1}{21}$

2478. 4.2-3 file-» 50 - 123 - - (704550)
Tomonlarining uzunliklari 6, 7 va 11 ga teng uchburchakning kichik burchagini toping.

A) $\arccos\left(-\dfrac{3}{7}\right)$ B) $\arccos\dfrac{67}{154}$

C) $\arccos\dfrac{67}{77}$ D) $\arccos\dfrac{9}{11}$

2479. 4.2-3 file-» 50 - 123 - - (704551)
Tomonlarining uzunliklari 6, 8 va 9 ga teng uchburchakning kichik burchagini toping.

A) $\arccos\dfrac{53}{108}$ B) $\arccos\dfrac{19}{96}$ C) $\arccos\dfrac{109}{288}$

D) $\arccos\dfrac{109}{144}$

2480. 4.2-3 file-» 50 - 123 - - (704552)
Tomonlarining uzunliklari 6, 8 va 11 ga teng uchburchakning kichik burchagini toping.

A) $\arccos\dfrac{149}{176}$ B) $\arccos\dfrac{31}{44}$

C) $\arccos\left(-\dfrac{7}{32}\right)$ D) $\arccos\dfrac{149}{352}$

2481. 4.2-3 file-» 50 - 123 - - (704553)
Tomonlarining uzunliklari 6, 9 va 11 ga teng uchburchakning kichik burchagini toping.

A) $\arccos\dfrac{83}{198}$ **B)** $\arccos\dfrac{83}{99}$ C) $\arccos\dfrac{19}{33}$

D) $\arccos\left(-\dfrac{1}{27}\right)$

2482. 4.2-3 file-» 50 - 123 - - (704554)
Tomonlarining uzunliklari 4, 11 va 13 ga teng uchburchakning katta balandligini toping.

A) $2\sqrt{105}$ **B)** $\sqrt{105}$ C) $\dfrac{4\sqrt{105}}{11}$

D) $\dfrac{4\sqrt{105}}{13}$

2483. 4.2-3 file-» 50 - 123 - - (704555)
Tomonlarining uzunliklari 5, 6 va 9 ga teng uchburchakning katta balandligini toping.

A) $\dfrac{20\sqrt{2}}{9}$ B) $8\sqrt{2}$ **C)** $4\sqrt{2}$ D) $\dfrac{10\sqrt{2}}{3}$

2484. 4.2-3 file-» 50 - 123 - - (704556)
Tomonlarining uzunliklari 5, 7 va 8 ga teng uchburchakning katta balandligini toping.

A) $\dfrac{20\sqrt{3}}{7}$ B) $\dfrac{5\sqrt{3}}{2}$ C) $8\sqrt{3}$ **D)** $4\sqrt{3}$

2485. 4.2-3 file-» 50 - 123 - - (704557)
Tomonlarining uzunliklari 6, 11 va 13 ga teng uchburchakning katta balandligini toping.

A) $2\sqrt{30}$ B) $\dfrac{12\sqrt{30}}{11}$ C) $\dfrac{12\sqrt{30}}{13}$

D) $4\sqrt{30}$

2486. 4.2-3 file-» 50 - 123 - - (704558)
Tomonlarining uzunliklari 7, 8 va 13 ga teng uchburchakning katta balandligini toping.

A) $8\sqrt{3}$ **B)** $4\sqrt{3}$ C) $\dfrac{7\sqrt{3}}{2}$ D) $\dfrac{28\sqrt{3}}{13}$

2487.　　4.2-3 file-» 50 - 123 - -　　　　(704559)
Tomonlarining uzunliklari 4, 11 va 13 ga teng uchburchakning kichik balandligini toping.

A) $\dfrac{\sqrt{105}}{2}$　**B)** $\dfrac{4\sqrt{105}}{13}$　C) $\dfrac{4\sqrt{105}}{11}$

D) $\sqrt{105}$

2488.　　4.2-3 file-» 50 - 123 - -　　　　(704560)
Tomonlarining uzunliklari 5, 6 va 9 ga teng uchburchakning kichik balandligini toping.

A) $4\sqrt{2}$　B) $2\sqrt{2}$　**C)** $\dfrac{20\sqrt{2}}{9}$　D) $\dfrac{10\sqrt{2}}{3}$

2489.　　4.2-3 file-» 50 - 123 - -　　　　(704561)
Tomonlarining uzunliklari 5, 7 va 8 ga teng uchburchakning kichik balandligini toping.

A) $\dfrac{20\sqrt{3}}{7}$　B) $4\sqrt{3}$　C) $2\sqrt{3}$　**D)** $\dfrac{5\sqrt{3}}{2}$

2490.　　4.2-3 file-» 50 - 123 - -　　　　(704562)
Tomonlarining uzunliklari 6, 11 va 13 ga teng uchburchakning kichik balandligini toping.

A) $\dfrac{12\sqrt{30}}{13}$　B) $\dfrac{12\sqrt{30}}{11}$　C) $2\sqrt{30}$　D) $\sqrt{30}$

2491.　　4.2-3 file-» 50 - 123 - -　　　　(704563)
Tomonlarining uzunliklari 7, 8 va 13 ga teng uchburchakning kichik balandligini toping.

A) $2\sqrt{3}$　**B)** $\dfrac{28\sqrt{3}}{13}$　C) $\dfrac{7\sqrt{3}}{2}$　D) $4\sqrt{3}$

2492.　　4.2-3 file-» 51 - 2 - -　　　　(719556)
To'g'ri burchakli uchburchakning gipotenuzasiga tushirilgan balandligi 24 ga, katetlarining gipoteksiyalari nisbati 9:16 ga teng. Uchburchakning katetlarini toping.

A) 21; 28　**B)** 30; 40　C) 18; 24
D) 24; 32

2493.　　4.2-3 file-» 51 - 2 - -　　　　(719557)
To'g'ri burchakli uchburchakning to'g'ri burchagidan o'tkazilgan bissektrisa gipotenuzani uzunligi 20 va 15 bo'lgan ikki qismga ajratadi. Shu uchburchakka ichki chizilgan doiraning yuzini toping.

A) 25π　**B)** 49π　C) 64π　D) 42π

2494.　　4.2-3 file-» 50 - 130 - -　　　　(719558)
Tomonlarining uzunliklari 7; 8 va 9 ga teng uchburchakning katta burchagini toping.

A) $\arccos\left(\dfrac{1}{7}\right)$　**B)** $\arccos\left(\dfrac{2}{7}\right)$

C) $\arccos\left(\dfrac{11}{21}\right)$　D) $\arccos\left(\dfrac{2}{3}\right)$

2495.　　4.2-3 file-» 50 - 130 - -　　　　(719559)
Tomonlarining uzunliklari 7; 8 va 11 ga teng uchburchakning katta burchagini toping.

A) $\arccos\left(\dfrac{17}{22}\right)$　B) $\arccos\left(-\dfrac{1}{28}\right)$

C) $\arccos\left(-\dfrac{1}{14}\right)$　D) $\arccos\left(\dfrac{53}{77}\right)$

2496.　　4.2-3 file-» 50 - 130 - -　　　　(719560)
Tomonlarining uzunliklari 7; 8 va 12 ga teng uchburchakning katta burchagini toping.

A) $\arccos\left(\dfrac{43}{56}\right)$　B) $\arccos\left(\dfrac{53}{64}\right)$

C) $\arccos\left(-\dfrac{31}{224}\right)$　**D)** $\arccos\left(-\dfrac{31}{112}\right)$

2497.　　4.2-3 file-» 50 - 130 - -　　　　(719561)
Tomonlarining uzunliklari 7; 9 va 11 ga teng uchburchakning katta burchagini toping.

A) $\arccos\left(\dfrac{1}{14}\right)$　B) $\arccos\left(\dfrac{89}{154}\right)$

C) $\arccos\left(\dfrac{17}{22}\right)$　D) $\arccos\left(\dfrac{1}{28}\right)$

2498.　　4.2-3 file-» 50 - 130 - -　　　　(719562)
Tomonlarining uzunliklari 7; 9 va 12 ga teng uchburchakning katta burchagini toping.

A) $\arccos\left(-\dfrac{1}{18}\right)$　**B)** $\arccos\left(-\dfrac{1}{9}\right)$

C) $\arccos\left(\dfrac{2}{3}\right)$　D) $\arccos\left(\dfrac{22}{27}\right)$

2499.　　4.2-3 file-» 50 - 130 - -　　　　(719563)
Tomonlarining uzunliklari 7; 8 va 9 ga teng uchburchakning kichik burchagini toping.

A) $\arccos\dfrac{2}{3}$　B) $\arccos\dfrac{11}{21}$　C) $\arccos\dfrac{2}{7}$

D) $\arccos\dfrac{1}{3}$

2500.　　4.2-3 file-» 50 - 130 - -　　　　(719564)
Tomonlarining uzunliklari 7; 8 va 11 ga teng uchburchakning kichik burchagini toping.

A) $\arccos\dfrac{17}{44}$　**B)** $\arccos\dfrac{17}{22}$　C) $\arccos\dfrac{53}{77}$

D) $\arccos\left(-\dfrac{1}{14}\right)$

2501.　　4.2-3 file-» 50 - 130 - -　　　　(719565)
Tomonlarining uzunliklari 7; 9 va 11 ga teng uchburchakning kichik burchagini toping.

A) $\arccos\dfrac{1}{14}$　B) $\arccos\dfrac{17}{44}$　**C)** $\arccos\dfrac{17}{22}$

D) $\arccos\dfrac{89}{154}$

2502.　　4.2-3 file-» 50 - 130 - -　　(719566)
Tomonlarining uzunliklari 8; 9 va 11 ga teng uchburchakning kichik burchagini toping.

A) $\arccos\dfrac{13}{22}$　B) $\arccos\dfrac{1}{6}$　C) $\arccos\dfrac{23}{66}$

D) $\arccos\dfrac{23}{33}$

2503.　　4.2-3 file-» 50 - 130 - -　　(719567)
Tomonlarining uzunliklari 6; 7 va 8 ga teng uchburchakning kichik burchagini toping.

A) $\arccos\dfrac{11}{16}$　B) $\arccos\dfrac{17}{32}$　C) $\arccos\dfrac{1}{4}$

D) $\arccos\dfrac{11}{32}$

2504.　　4.2-3 file-» 50 - 130 - -　　(719568)
Tomonlarining uzunliklari 7; 9 va 12 ga teng uchburchakning katta balandligini toping.

A) $4\sqrt{5}$　B) $\dfrac{28\sqrt{5}}{9}$　C) $\dfrac{7\sqrt{5}}{3}$　D) $8\sqrt{5}$

2505.　　4.2-3 file-» 50 - 130 - -　　(719569)
Tomonlarining uzunliklari 6; 7 va 11 ga teng uchburchakning katta balandligini toping.

A) $4\sqrt{10}$　**B)** $2\sqrt{10}$　C) $\dfrac{12\sqrt{10}}{7}$

D) $\dfrac{12\sqrt{10}}{11}$

2506.　　4.2-3 file-» 50 - 130 - -　　(719570)
Tomonlarining uzunliklari 4; 5 va 7 ga teng uchburchakning katta balandligini toping.

A) $\dfrac{8\sqrt{6}}{7}$　B) $4\sqrt{6}$　**C)** $2\sqrt{6}$　D) $\dfrac{8\sqrt{6}}{5}$

2507.　　4.2-3 file-» 50 - 130 - -　　(719571)
Tomonlarining uzunliklari 4; 7 va 9 ga teng uchburchakning katta balandligini toping.

A) $\dfrac{12\sqrt{5}}{7}$　B) $\dfrac{4\sqrt{5}}{3}$　C) $6\sqrt{5}$　**D)** $3\sqrt{5}$

2508.　　4.2-3 file-» 50 - 130 - -　　(719572)
Tomonlarining uzunliklari 4; 9 va 11 ga teng uchburchakning katta balandligini toping.

A) $6\sqrt{2}$　B) $\dfrac{8\sqrt{2}}{3}$　C) $\dfrac{24\sqrt{2}}{11}$　D) $12\sqrt{2}$

2509.　　4.2-3 file-» 50 - 130 - -　　(719573)
Tomonlarining uzunliklari 7; 9 va 12 ga teng uchburchakning kichik balandligini toping.

A) $\dfrac{7\sqrt{5}}{3}$　B) $\dfrac{28\sqrt{5}}{9}$　C) $4\sqrt{5}$　D) $2\sqrt{5}$

2510.　　4.2-3 file-» 50 - 130 - -　　(719574)
Tomonlarining uzunliklari 6; 7 va 11 ga teng uchburchakning kichik balandligini toping.

A) $\sqrt{10}$　**B)** $\dfrac{12\sqrt{10}}{11}$　C) $\dfrac{12\sqrt{10}}{7}$　D) $2\sqrt{10}$

2511.　　4.2-3 file-» 50 - 130 - -　　(719575)
Tomonlarining uzunliklari 4; 5 va 7 ga teng uchburchakning kichik balandligini toping.

A) $2\sqrt{6}$　B) $\sqrt{6}$　**C)** $\dfrac{8\sqrt{6}}{7}$　D) $\dfrac{8\sqrt{6}}{5}$

2512.　　4.2-3 file-» 50 - 130 - -　　(719576)
Tomonlarining uzunliklari 4; 7 va 9 ga teng uchburchakning kichik balandligini toping.

A) $\dfrac{12\sqrt{5}}{7}$　B) $3\sqrt{5}$　C) $\dfrac{3\sqrt{5}}{2}$　**D)** $\dfrac{4\sqrt{5}}{3}$

2513.　　4.2-3 file-» 50 - 130 - -　　(719577)
Tomonlarining uzunliklari 4; 9 va 11 ga teng uchburchakning kichik balandligini toping.

A) $\dfrac{24\sqrt{2}}{11}$　B) $\dfrac{8\sqrt{2}}{3}$　C) $6\sqrt{2}$　D) $3\sqrt{2}$

2514.　　4.2-4 file-» 5 - 3 - -　　(13871)
Учбурчакнинг томонлари 4; 5 ва 6 см. 4 см ли томоннинг 6 см ли томондаги проекцияси неча см?

A) $2\dfrac{1}{4}$　B) $3\dfrac{3}{4}$　C) $3\dfrac{1}{4}$　D) $4\dfrac{3}{4}$

2515.　　4.2-4 file-» 5 - 4 - -　　(13926)
Учбурчакнинг томонлари 4; 5 ва 6 м. 5 м ли томоннинг 6 м ли томондаги проекцияси неча м?

A) $3\dfrac{3}{4}$　B) $2\dfrac{1}{4}$　C) $3\dfrac{1}{4}$　D) $4\dfrac{3}{4}$

2516.　　4.2-4 file-» 5 - 5 - -　　(13982)
Учбурчакнинг томонлари 6; 7 ва 8 м. 6 м ли томоннинг 8 м ли томондаги проекцияси неча м ?

A) $4\dfrac{3}{16}$　**B)** $3\dfrac{3}{16}$　C) $4\dfrac{7}{16}$　D) $4\dfrac{13}{16}$

2517.　　4.2-4 file-» 22 - 2 - -　　(14252)
Айлананинг иккита кесишувчи ватарларидан бирининг узунлиги 36 см, иккинчиси кесишиш нуқтасида 18 см ва 16 см ли кесмаларга ажралади. Биринчи ватарнинг кесмаларини аниқланг.

A) 12 ва 24　B) 16 ва 20　C) 17 ва 19
D) 22 ва 14

2518.   4.2-4 file-» 12 - 1 - -   (56555)
Тўғри бурчакли учбурчакнинг гипотенузаси $32\frac{2}{3}$ га, катетларидан бири 14 га тенг. Шу катетнинг гипотенузадаги проекциясини топинг.

    A) 6   B) 12   C) 8   D) 7

2519.   4.2-4 file-» 12 - 2 - - 7   (71845)
Тўғри бурчакли учбурчакнинг гипотенузаси 30 га, катетларидан бири $12\sqrt{5}$ га тенг. Иккинчи катетнинг гипотенузадаги проекциясини топинг.

    A) 8   B) 5   **C)** 6   D) 7

2520.   4.2-4 file-» 2 - 41 - - 4   (131158)
Тўғри бурчакли учбурчакнинг катетлари 3 ва 5 га тенг бўлиб, бу учбурчакка у билан умумий тўғри бурчакка эга бўлган квадрат ички чизилган. Квадратнинг периметрини топинг.

    A) 8   **B)** $7,5$ C) $9,5$ D) 7

2521.   4.2-4 file-» 32 - 1 - -   (173927)
Катетларининг гипотенузадаги проекциялари 2 ва 18 га тенг бўлган тўғри бурчакли учбурчакнинг юзини топинг.

    A) 90   B) 72   C) 36   **D)** 60

2522.   4.2-4 file-» 52 - 1 - -   (175110)
Тўғри бурчакли учбурчакнинг гипотенузаси $6,4$ га тенг. Гипотенуза билан ўткир бурчакнинг биссектрисаси $22,5°$ ли бурчак ташкил қилади. Берилган бурчакли учбурчакнинг юзини топинг.

    A) $10,24$ B) $102,4$ C) $20,48$ D) $12,8$

2523.   4.2-4 file-» 55 - 1 - -   (180976)
Тўғри бурчакли учбурчакнинг катетлари 12 ва 16. Катта катетнинг гипотенузадаги проекциясини топинг.

    A) $12\frac{4}{5}$ B) $11\frac{3}{5}$ C) $7\frac{1}{5}$ D) $8\frac{2}{5}$

2524.   4.3-1 file-» 5 - 3 - -   (13874)
$P(3;0)$ нуқтани координата боши атрофида $90°$ га бурганда у қайси нуқтага ўтади?

    A) $(-3;0)$ B) $(0;-3)$ C) $(3;3)$ **D)** $(0;3)$

2525.   4.3-1 file-» 5 - 4 - -   (13929)
Р$(0;3)$ нуқтани координата боши атрофида $90°$ га бурганда ҳосил бўладиган нуқтанинг координаталарини топинг.

    A) $(3;\ 0)$ B) $(0;\ -3)$ **C)** $(-3;\ 0)$
    D) $(3;\ 3)$

2526.   4.3-1 file-» 5 - 5 - -   (13984)
Учлари $A(3;-1)$ ва $B(2;4)$ нуқтада бўлган АВ кесманинг ўртасидаги нуқтанинг координаталарини топинг.

    A) $(2,5;\ 1,5)$ B) $(-2,5;\ 1,5)$
    C) $(2,5;\ -1,5)$ D) $(2,5;\ 3)$

2527.   4.3-1 file-» 5 - 5 - -   (13985)
$P(-3;0)$ нуқтани координата боши атрофида $90°$ га бурганда ҳосил бўладиган нуқтанинг координаталарини топинг.

    A) $(3;\ 0)$ **B)** $(0;\ -3)$ C) $(3;\ 3)$ D) $(0;\ 3)$

2528.   4.3-1 file-» 6 - 3 - -   (14035)
$x^2+y^2+4x+6y-3=0$ тенглама билан берилган айлананинг радиусини топинг.

    A) *3*   B) *6*   **C)** *4*   D) *5*

2529.   4.3-1 file-» 6 - 4 - -   (14087)
$x^2+y^2-4x+6y-3=0$ тенглама билан берилган айлананинг марказини топинг.

    A) $(-4;-3)$ B) $(4;-4)$ C) $(-4;6)$
    D) $(2;-3)$

2530.   4.3-1 file-» 6 - 5 - -   (14139)
$x^2+y^2-4x-6y-3=0$ тенглама билан берилган айлананинг радиусини топинг.

    A) 3   B) 5   C) 6   **D)** 4

2531.   4.3-1 file-» 6 - 6 - -   (14191)
$x^2+y^2+4x-6y-3=0$ тенглама билан берилган айлананинг марказини топинг.

    A) $(-2;3)$ B) $(2;-3)$ C) $(4;-3)$
    D) $(-4;6)$

2532.   4.3-1 file-» 22 - 3 - -   (14309)
$\vec{m}(-3;1)$ ва $\vec{n}(5;-6)$ векторлар берилган. $\vec{a}=\vec{n}-3\cdot\vec{m}$ векторнинг координаталарини топинг.

    A) $(14;-9)$ B) $(4;-3)$ C) $(14;-3)$
    D) $(9;3)$

2533.   4.3-1 file-» 22 - 4 - -   (14368)
$\vec{a}(2;-3)$ ва $\vec{b}(-2;-3)$ векторлар берилган. $\vec{m}=\vec{a}-2\vec{b}$ векторнинг координаталарини кўрсатинг.

    A) $(6;3)$ B) $(-3;6)$ C) $(-2;-9)$
    D) $(2;-3)$

2534.   4.3-1 file-» 5 - 3 - -   (315452)
$P(3;0)$ nuqtani koordinata boshi atrofida $90°$ ga burganda u qaysi nuqtaga o'tadi?

    A) $(-3;0)$ B) $(0;-3)$ C) $(3;3)$
    D) $(0;3)$

2535. 4.3-1 file-» 5 - 4 - - (315453)
P(0;3) nuqtani koordinata boshi atrofida 90° ga burganda hosil bo'ladigan nuqtaning koordinatalarini toping.
A) (3; 0)   B) (0; −3)   **C)** (−3; 0)
D) (3; 3)

2536. 4.3-1 file-» 5 - 5 - - (315454)
Uchlari $A(3; −1)$ va $B(2; 4)$ nuqtada bo'lgan AB kesmaning o'rtasidagi nuqtaning koordinatalarini toping.
A) $(2, 5;\ 1, 5)$ B) $(−2, 5;\ 1, 5)$
C) $(2, 5;\ −1, 5)$ D) $(2, 5;\ 3)$

2537. 4.3-1 file-» 5 - 5 - - (315455)
$P(−3; 0)$ nuqtani koordinata boshi atrofida 90° ga burganda hosil bo'ladigan nuqtaning koordinatalarini toping.
A) (3; 0)   **B)** (0; −3)   C) (3; 3)
D) (0; 3)

2538. 4.3-1 file-» 6 - 3 - - (315456)
$x^2 + y^2 + 4x + 6y − 3 = 0$ tenglama bilan berilgan aylananing radiusini toping.
A) *3*   B) *6*   **C)** *4*   D) *5*

2539. 4.3-1 file-» 6 - 4 - - (315457)
$x^2 + y^2 − 4x + 6y − 3 = 0$ tenglama bilan berilgan aylananing markazini toping.
A) (−4; −3)   B) (4; −4)   C) (−4; 6)
D) (2; −3)

2540. 4.3-1 file-» 6 - 5 - - (315458)
$x^2 + y^2 − 4x − 6y − 3 = 0$ tenglama bilan berilgan aylananing radiusini toping.
A) 3   B) 5   C) 6   **D)** 4

2541. 4.3-1 file-» 6 - 6 - - (315459)
$x^2 + y^2 + 4x − 6y − 3 = 0$ tenglama bilan berilgan aylananing markazini toping.
A) (−2; 3)   B) (2; −3)   C) (4; −3)
D) (−4; 6)

2542. 4.3-1 file-» 22 - 3 - - (315460)
$\vec{m}(−3; 1)$ va $\vec{n}(5; −6)$ vektorlar berilgan.
$\vec{a} = \vec{n} − 3 \cdot \vec{m}$ vektorning koordinatalarini toping.
A) (14; −9)   B) (4; −3)   C) (14; −3)
D) (9; 3)

2543. 4.3-1 file-» 22 - 4 - - (315461)
$\vec{a}(2; −3)$ va $\vec{b}(−2; −3)$ vektorlar berilgan.
$\vec{m} = \vec{a} − 2\vec{b}$ vektorning koordinatalarini ko'rsating.
A) (6; 3)   B) (−3; 6)   C) (−2; −9)
D) (2; −3)

2544. 4.3-2 file-» 22 - 2 - - (14234)
a нинг қандай қийматларида $ax + 2y = 3$ ва $3x − y = −1$ тўғри чизиқлар кесишади?
A) $a = 0$ B) $a \neq 2$ C) $a \in R$ **D)** $a \neq −6$

2545. 4.3-2 file-» 22 - 3 - - (14293)
a нинг қандай қийматларида $ax + 3y = 8$ ва $y − x = 4$ тўғри чизиқлар параллель бўлади ?
A) $a = 1$ B) $a = 2$ **C)** $a = −3$ D) $a \in R$

2546. 4.3-2 file-» 22 - 3 - - (14308)
Қавариқ, тўртбурчакнинг бурчакларидан бири тўғри бурчак, қолганлари эса ўзаро 6 : 5 : 4 нисбатда. Тўртбурчакнинг кичик бурчагини топинг.
A) 60°   B) 108°   C) 90°   **D)** 72°

2547. 4.3-2 file-» 22 - 4 - - (14352)
a ва b нинг қандай қийматларида $ax + by = −4$ ва $3x − 3y = 4$ тўғри чизиқлар устма-уст тушади?
A) $a = 3; b = −3$ **B)** $a = −3; b = 3$
C) $a = b = 3$ D) $a = 3; b = −1$

2548. 4.3-2 file-» 22 - 12 - - (36275)
Ромб диагоналларининг томонлари билан ҳосил қилган бурчаклари катталикларининг нисбати 4:5 га тенг. Ромбнинг кичик бурчагини топинг.
A) 80°   B) 50°   C) 40°   D) 60°

2549. 4.3-2 file-» 23 - 3 - - (36518)
ABCD параллелограмм C учининг координаталари (5; 8), O(3; 6) эса параллелограмм диагоналларининг кесишиш нуқтаси. Параллелограмм A учининг координаталарини топинг.
A) (2; 3)   B) (3; 2)   **C)** (1; 4)   D) (4; 1)

2550. 4.3-2 file-» 22 - 1 - - (36776)
Параллелограммнинг диагонали томонлари билан 20° ва 30° ли бурчаклар ташкил қилади. Параллелограммнинг катта бурчагини топинг.
A) 100°   B) 145°   **C)** 130°   D) 110°

2551. 4.3-2 file-» 23 - 6 - - (57184)
Бир учи (8; 2) нуқтада, ўртаси (4, 5; −5, 5) нуқтада бўлган кесманинг иккинчи учи координаталарини топинг.
A) (1; −13)   B) (0; −24)   C) (0; −26)
D) (0; 26)

2552.   4.3-2 file-» 22 - 20 - - 6   (96080)
Тўртбурчакка диагонал ўтказиш натижасида у периметрлари 25 ва 27 га тенг бўлган иккита учбурчакка ажратилди. Агар тўртбурчакнинг периметри 36 га тенг бўлса, ўтказилган диагоналнинг узунлигини ҳисобланг.

A) 6   **B)** 8   C) 10   D) 11

2553.   4.3-2 file-» 23 - 18 - - 7   (115499)
Параллелограммнинг диагоналлари 7 ва 24 га тенг. Унинг барча томонлари квадратларининг йиғиндисини топинг.

A) 1250   B) 1150   C) 1350   **D)** 625

2554.   4.3-2 file-» 22 - 2 - -   (315462)
a ning qanday qiymatlarida $ax + 2y = 3$ va $3x - y = -1$ to'g'ri chiziqlar kesishadi?

A) $a = 0$ B) $a \neq 2$ C) $a \in R$
D) $a \neq -6$

2555.   4.3-2 file-» 22 - 3 - -   (315463)
a ning qanday qiymatlarida $ax + 3y = 8$ va $y - x = 4$ to'g'ri chiziqlar parallel bo'ladi ?

A) $a = 1$ B) $a = 2$ **C)** $a = -3$
D) $a \in R$

2556.   4.3-2 file-» 22 - 3 - -   (315464)
Qavariq to'rtburchakning burchaklaridan biri to'g'ri burchak, qolganlari esa o'zaro 6 : 5 : 4 nisbatda. To'rtburchakning kichik burchagini toping.

A) 60°   B) 108°   C) 90°   **D)** 72°

2557.   4.3-2 file-» 22 - 4 - -   (315465)
a va b ning qanday qiymatlarida $ax + by = -4$ va $3x - 3y = 4$ to'g'ri chiziqlar ustma-ust tushadi?

A) $a = 3; b = -3$ **B)** $a = -3; b = 3$
C) $a = b = 3$ D) $a = 3; b = -1$

2558.   4.3-2 file-» 22 - 12 - -   (315466)
Romb diagonallarining tomonlari bilan hosil qilgan burchaklari kattaliklarining nisbati 4:5 ga teng. Rombning kichik burchagini toping.

A) 80°   B) 50°   C) 40°   D) 60°

2559.   4.3-2 file-» 23 - 3 - -   (315467)
ABCD parallelogramm C uchining koordinatalari (5; 8), O(3; 6) esa parallelogramm diagonallarining kesishish nuqtasi. Parallelogramm A uchining koordinatalarini toping.

A) (2; 3)   B) (3; 2)   **C)** (1; 4)   D) (4; 1)

2560.   4.3-2 file-» 23 - 4 - -   (315468)
ABCD to'g'ri burchakli trapetsiyaning (AD||BC va AB⊥AD) kichik diagonali katta yon tomoniga teng. Trapetsiyaning kichik diagonali va kichik asosi orasidagi burchak 60° ga teng. Trapetsiyaning o'tkir burchagini toping.

A) 40°   **B)** 60°   C) 30°   D) 45°

2561.   4.3-2 file-» 22 - 1 - -   (315469)
Parallelogrammning diagonali tomonlari bilan 20° va 30° li burchaklar tashkil qiladi. Parallelogrammning katta burchagini toping.

A) 100°   B) 145°   **C)** 130°   D) 110°

2562.   4.3-2 file-» 22 - 17 - -   (315470)
$\vec{a}$ va $\vec{b}$ vektorlar 45° li burchak tashkil qiladi va $\vec{a} \cdot \vec{b} = 6$. Shu vektorlarga qurilgan uchburchakning yuzini hisoblang.

A) 6   B) $3\sqrt{2}$ C) $6\sqrt{2}$ **D)** 3

2563.   4.3-2 file-» 22 - 18 - -   (315471)
Agar $\vec{m}$ va $\vec{n}$ vektorlar 30° li burchak tashkil etsa va $\vec{m} \cdot \vec{n} = 2\sqrt{3}$ bo'lsa, ularga qurilgan parallelogrammning yuzini hisoblang.

A) 2   B) $\dfrac{\sqrt{3}}{2}$ C) 1   D) $2\sqrt{3}$

2564.   4.3-2 file-» 23 - 6 - -   (315472)
Bir uchi $(8; 2)$ nuqtada, o'rtasi $(4, 5; -5, 5)$ nuqtada bo'lgan kesmaning ikkinchi uchi koordinatalarini toping.

A) (1; −13)   B) (0; −24)   C) (0; −26)
D) (0; 26)

2565.   4.3-2 file-» 23 - 15 - - 2   (315473)
Parallelogrammning 5 ga teng bo'lgan diagonali uning 12 ga teng bo'lgan yon tomoniga perpendikulyar. Parallelogrammning katta tomoniga tushirilgan balandligini toping.

A) $3\dfrac{8}{13}$ **B)** $4\dfrac{8}{13}$ C) $5\dfrac{8}{13}$ D) $4\dfrac{5}{13}$

2566.   4.3-2 file-» 23 - 11 - - 9   (315474)
O'tkir burchagi 30° bo'lgan to'g'ri burchakli trapetsiya diametri 12 ga teng aylanaga tashqi chizilgan. Trapetsiyaning yuzini toping.

A) 206   B) 240   **C)** 216   D) 196

2567.   4.3-2 file-» 23 - 11 - - 9   (315475)
$\vec{m}, \vec{n}$ va $\vec{p}$ birlik vektorlar berilgan. Agar $\vec{m} \perp \vec{n}$ va $\vec{n} \perp \vec{p}$ bo'lib, $\vec{p}$ va $\vec{m}$ vektorlar orasidagi burchak 60° ga teng bo'lsa, $(\vec{m} + 2\vec{p})(\vec{m} + 2\vec{n})$ skalyar ko'paytmaning qiymatini toping.

A) 2   B) 2,2   C) 2,4   D) 2,5

2568. 4.3-2 file-» 22 - 20 - - 6 (315476)
To'rtburchakka diagonal o'tkazish natijasida u perimetrlari 25 va 27 ga teng bo'lgan ikkita uchburchakka ajratildi. Agar to'rtburchakning perimetri 36 ga teng bo'lsa, o'tkazilgan diagonalning uzunligini hisoblang.

A) 6 **B)** 8 C) 10 D) 11

2569. 4.3-2 file-» 22 - 20 - - 6 (315477)
Aylanaga tashqi chizilgan to'rtburchakning uchta ketma-ket tomonlari nisbati 1:2:3 kabi. Agar to'rtburchakning perimetri 28,8 ga teng bo'lsa, uning eng kichik tomonini toping.

A) 3,6 B) 4 C) 3 D) 4,5

2570. 4.3-2 file-» 2 - 6 - - (315478)
$A(-6; -1)$ nuqta $B(-2; 1)$ va $C(n; 5)$ nuqtalardan o'tuvchi to'g'ri chiziqda yotsa, n ning qiymati nechaga teng bo'ladi?

A) 5 B) 4 **C)** 6 D) 3

2571. 4.3-2 file-» 23 - 18 - - 7 (315479)
Parallelogrammning diagonallari 7 va 24 ga teng. Uning barcha tomonlari kvadratlarining yig'indisini toping.

A) 1250 B) 1150 C) 1350 **D)** 625

2572. 4.3-2 file-» 32 - 2 - - 11 (315480)
Trapetsiya asoslarining uzunliklari 28 va 10 ga teng. Trapetsiya diagonallari o'rtalarini tutashtiruvchi kesmaning uzunligini aniqlang.

A) 8 B) 10 C) 7 **D)** 9

2573. 4.3-2 file-» 19 - 5 - - 2 (315481)
Tomoni 12 ga va o'tkir burchagi 30° ga teng rombga ichki chizilgan aylananing diametrini toping.

A) 6 B) 7 C) 8 D) 9

2574. 4.3-2 file-» 6 - 4 - - (402051)
Tomoni 10 sm bo'lgan rombga ichki chizilgan aylananing radiusi 3 sm. Rombning o'tkir burchagi kosinusini toping.

A) $\dfrac{3}{4}$ B) $\dfrac{2\sqrt{2}}{3}$ **C)** $\dfrac{4}{5}$ D) $\dfrac{\sqrt{3}}{2}$

2575. 4.3-2 file-» 6 - 5 - - (402052)
Tomoni 8 sm bo'lgan rombga ichki chizilgan aylananing radiusi $\dfrac{3}{4}$ sm. Rombning o'tkir burchagi sinusini toping.

A) $\dfrac{1}{4}$ B) $\dfrac{1}{2}$ C) $\dfrac{1}{8}$ **D)** $\dfrac{3}{16}$

2576. 4.3-2 file-» 6 - 6 - - (402053)
Tomoni 20 sm bo'lgan rombga ichki chizilgan aylananing radiusi 8 sm. Rombning o'tkir burchagi kosinusini toping.

A) $\dfrac{1}{4}$ B) $\dfrac{\sqrt{2}}{3}$ **C)** $\dfrac{3}{5}$ D) $\dfrac{\sqrt{3}}{4}$

2577. 4.3-2 file-» 6 - 3 - - (402054)
Tomoni 4 sm bo'lgan rombga ichki chizilgan aylananing radiusi $\dfrac{\sqrt{3}}{4}$ sm. Rombning o'tkir burchagi sinusini toping.

A) $\dfrac{\sqrt{3}}{8}$ B) $\dfrac{\sqrt{2}}{2}$ C) $\dfrac{\sqrt{3}}{4}$ D) $\dfrac{1}{2}$

2578. 4.3-2 file-» 6 - 8 - - (402055)
Aylanaga tashqi chizilgan teng yonli trapetsiyaning asoslari 54 va $10\dfrac{2}{3}$ sm. Aylananing radiusi necha sm?

A) 15 B) 16 **C)** 12 D) 18

2579. 4.3-2 file-» 22 - 17 - - (402056)
Teng yonli trapetsiyaning diagonali uning o'tkir burchagini teng ikkiga bo'ladi. Agar trapetsiyaning perimetri 66 ga, katta asosi 18 ga teng bo'lsa, uning o'rta chizig'ini toping.

A) 14 B) 13 C) 16 **D)** 17

2580. 4.3-2 file-» 22 - 18 - - (402057)
Teng yonli to'g'ri burchakli uchburchakka romb shunday ichki chizilganki, ularning bir burchagi umumiy, rombning qolgan uchlari esa uchburchakning tomonlarida yotadi. Agar uchburchakning kateti $\dfrac{1+\sqrt{2}}{5}$ ga teng bo'lsa, rombning tomonini toping.

A) $\dfrac{\sqrt{2}}{5}$ B) 0,2 C) 0,4 D) $\dfrac{2\sqrt{2}}{5}$

2581. 4.3-2 file-» 2 - 3 - - 2 (402058)
Trapetsiyaning yuzi 506 ga, balandligi 22 ga, asoslari ayirmasi 6 ga teng. Trapetsiya katta asosining uzunligini toping.

A) 26 B) 32 C) 28 D) 30

2582. 4.3-2 file-» 19 - 2 - - 3 (402059)
Parallelogramm o'tkir burchagining bissektrisasi uning diagonalini uzunliklari 3,2 va 8,8 bo'lgan kesmalarga ajratadi. Agar parallelogrammning perimetri 60 ga teng bo'lsa, uning katta tomonini toping.

A) 8 **B)** 22 C) 24 D) 11

2583. 4.3-2 file-» 16 - 5 - - 12 (402060)

$M(x, y)$ nuqtaning koordinatlari
$2x + 4{,}5y - 6\sqrt{x} - 6\sqrt{y} + 6{,}5 = 0$ tenglikni
qanoatlantiradi. Agar α $\vec{OM}$ vektor va OX
o'qining musbat yo'nalishi orasidagi burchak
bo'lsa, $tg\alpha$ ning qiymatini toping.

A) $\dfrac{9}{16}$ B) $\dfrac{4}{9}$ **C)** $\dfrac{16}{81}$ D) $\dfrac{8}{9}$

2584. 4.3-2 file-» 16 - 5 - - 12 (402061)

$\vec{x}$ va $\vec{y}$ vektorlarning uzunliklari 11 va $\sqrt{907}$ ga,
bu vektorlar ayirmasining uzunligi 30 ga teng.
Shu vektorlar yig'indisining uzunligini toping.

A) 34 B) 64 C) 42 D) 20

2585. 4.3-2 file-» 23 - 20 - - 9 (402062)

Parallelogramm qo'shni tomonlarining yig'indisi
11 ga, ayirmasi esa 7 ga teng. Shu
parallelogramm diagonallari kvadratlarining
yig'indisini toping.

A) 164 B) 144 **C)** 170 D) 121

2586. 4.3-2 file-» 19 - 6 - - 8 (402063)

Agar $|\vec{a}| = 6$, $|\vec{a} + \vec{b}| = 11$ va $|\vec{a} - \vec{b}| = \sqrt{79}$ bo'lsa,
$|\vec{b}|$ ning qiymatini hisoblang.

A) 7 B) 10 C) $2\sqrt{7}$ **D)** 8

2587. 4.3-2 file-» 19 - 7 - - 12 (402064)

Agar $|\vec{a}| = \sqrt{85}$, $|\vec{a} + \vec{b}| = 20$ va $|\vec{a} - \vec{b}| = 9\sqrt{2}$
bo'lsa, $|\vec{b}|$ ni toping.

A) $7\sqrt{2}$ B) 15 **C)** 14 D) 12

2588. 4.3-2 file-» 19 - 8 - - 6 (402065)

Agar $|\vec{a}| = 7$, $|\vec{b}| = 17$ va $|\vec{a} - \vec{b}| = \sqrt{192}$ bo'lsa,
$|\vec{a} + \vec{b}|$ ning qiymatini toping.

A) 19 B) 20 **C)** 22 D) $19\sqrt{2}$

2589. 4.3-3 file-» 50 - 124 - - (704564)

Trapetsiyaning yon tomonlari 3 va 5 ga teng.
Shu trapetsiyaga aylana ichki chizilgan.
Trapetsiyaning o'rta chizig'i uni yuzlarining
nisbati 7 : 9 bo'lgan ikki qismga ajratadi.
Berilgan trapetsiyaning katta asosi uzunligini
toping.

A) 5 B) 4,5 C) 5,75 D) 5,5

2590. 4.3-3 file-» 50 - 124 - - (704565)

Trapetsiyaning yon tomonlari 4 va 11 ga teng.
Shu trapetsiyaga aylana ichki chizilgan.
Trapetsiyaning o'rta chizig'i uni yuzlarining
nisbati 7 : 13 bo'lgan ikki qismga ajratadi.
Berilgan trapetsiyaning katta asosi uzunligini
toping.

A) 13 **B)** 12 C) 11 D) 12,5

2591. 4.3-3 file-» 50 - 124 - - (704566)

Trapetsiyaning yon tomonlari 5 va 9 ga teng.
Shu trapetsiyaga aylana ichki chizilgan.
Trapetsiyaning o'rta chizig'i uni yuzlarining
nisbati 13 : 15 bo'lgan ikki qismga ajratadi.
Berilgan trapetsiyaning katta asosi uzunligini
toping.

A) 9,5 B) 8,5 **C)** 8 D) 9

2592. 4.3-3 file-» 50 - 124 - - (704567)

Trapetsiyaning yon tomonlari 5 va 7 ga teng.
Shu trapetsiyaga aylana ichki chizilgan.
Trapetsiyaning o'rta chizig'i uni yuzlarining
nisbati 11 : 13 bo'lgan ikki qismga ajratadi.
Berilgan trapetsiyaning katta asosi uzunligini
toping.

A) 6,5 B) 7,75 C) 7,5 **D)** 7

2593. 4.3-3 file-» 50 - 124 - - (704568)

Trapetsiyaning yon tomonlari 7 va 8 ga teng.
Shu trapetsiyaga aylana ichki chizilgan.
Trapetsiyaning o'rta chizig'i uni yuzlarining
nisbati 9 : 11 bo'lgan ikki qismga ajratadi.
Berilgan trapetsiyaning katta asosi uzunligini
toping.

A) 9 B) 8 C) 9,5 D) 10

2594. 4.3-3 file-» 50 - 124 - - (704569)

Trapetsiyaning yon tomonlari 9 va 13 ga teng.
Shu trapetsiyaga aylana ichki chizilgan.
Trapetsiyaning o'rta chizig'i uni yuzlarining
nisbati 7 : 15 bo'lgan ikki qismga ajratadi.
Berilgan trapetsiyaning katta asosi uzunligini
toping.

A) 19,5 **B)** 19 C) 13 D) 17

2595. 4.3-3 file-» 50 - 124 - - (704570)

Trapetsiyaning yon tomonlari 15 va 7 ga teng.
Shu trapetsiyaga aylana ichki chizilgan.
Trapetsiyaning o'rta chizig'i uni yuzlarining
nisbati 9 : 13 bo'lgan ikki qismga ajratadi.
Berilgan trapetsiyaning katta asosi uzunligini
toping.

A) 12 B) 15,5 **C)** 15 D) 7

2596. 4.3-3 file-» 50 - 124 - - (704571)

Trapetsiyaning yon tomonlari 3 va 7 ga teng.
Shu trapetsiyaga aylana ichki chizilgan.
Trapetsiyaning o'rta chizig'i uni yuzlarining
nisbati 9 : 11 bo'lgan ikki qismga ajratadi.
Berilgan trapetsiyaning kichik asosi uzunligini
toping.

A) 4 B) 3 C) 2 D) 4,5

2597. 4.3-3 file-» 50 - 124 - - (704572)
Trapetsiyaning yon tomonlari 3 va 11 ga teng. Shu trapetsiyaga aylana ichki chizilgan. Trapetsiyaning o'rta chizig'i uni yuzlarining nisbati $5:9$ bo'lgan ikki qismga ajratadi. Berilgan trapetsiyaning kichik asosi uzunligini toping.

A) 5 **B) 3** C) $2,25$ D) $1,5$

2598. 4.3-3 file-» 50 - 124 - - (704573)
Trapetsiyaning yon tomonlari 5 va 13 ga teng. Shu trapetsiyaga aylana ichki chizilgan. Trapetsiyaning o'rta chizig'i uni yuzlarining nisbati $7:11$ bo'lgan ikki qismga ajratadi. Berilgan trapetsiyaning kichik asosi uzunligini toping.

A) $2,5$ B) 7 **C) 5** D) $3,75$

2599. 4.3-3 file-» 50 - 124 - - (704574)
Trapetsiyaning yon tomonlari 5 va 7 ga teng. Shu trapetsiyaga aylana ichki chizilgan. Trapetsiyaning o'rta chizig'i uni yuzlarining nisbati $11:13$ bo'lgan ikki qismga ajratadi. Berilgan trapetsiyaning kichik asosi uzunligini toping.

A) $3,75$ B) $2,5$ C) $5,5$ **D) 5**

2600. 4.3-3 file-» 50 - 124 - - (704575)
Trapetsiyaning yon tomonlari 7 va 8 ga teng. Shu trapetsiyaga aylana ichki chizilgan. Trapetsiyaning o'rta chizig'i uni yuzlarining nisbati $9:11$ bo'lgan ikki qismga ajratadi. Berilgan trapetsiyaning kichik asosi uzunligini toping.

A) 6 B) $4,5$ C) 3 D) $6,75$

2601. 4.3-3 file-» 50 - 124 - - (704576)
Trapetsiyaning yon tomonlari 7 va 15 ga teng. Shu trapetsiyaga aylana ichki chizilgan. Trapetsiyaning o'rta chizig'i uni yuzlarining nisbati $9:13$ bo'lgan ikki qismga ajratadi. Berilgan trapetsiyaning kichik asosi uzunligini toping.

A) 9 **B) 7** C) $5,25$ D) $3,5$

2602. 4.3-3 file-» 50 - 124 - - (704577)
Trapetsiyaning yon tomonlari 15 va 9 ga teng. Shu trapetsiyaga aylana ichki chizilgan. Trapetsiyaning o'rta chizig'i uni yuzlarining nisbati $11:13$ bo'lgan ikki qismga ajratadi. Berilgan trapetsiyaning kichik asosi uzunligini toping.

A) 5 B) 11 **C) 10** D) $7,5$

2603. 4.3-3 file-» 50 - 124 - - (704578)
Trapetsiya o'rta chizig'i uzunligi 12 ga, katta asosidagi burchaklari $30°$ va $60°$ ga teng. Trapetsiyaning asoslari o'rtalarini tutashtiruvchi kesmaning uzunligi 1 ga teng. Trapetsiyaning katta asosi uzunligini toping.

A) 12 B) 15 **C) 13** D) 14

2604. 4.3-3 file-» 50 - 124 - - (704579)
Trapetsiya o'rta chizig'i uzunligi 15 ga, katta asosidagi burchaklari $30°$ va $60°$ ga teng. Trapetsiyaning asoslari o'rtalarini tutashtiruvchi kesmaning uzunligi 2 ga teng. Trapetsiyaning katta asosi uzunligini toping.

A) 18 B) 16 C) 19 **D) 17**

2605. 4.3-3 file-» 50 - 124 - - (704580)
Trapetsiya o'rta chizig'i uzunligi 10 ga, katta asosidagi burchaklari $30°$ va $60°$ ga teng. Trapetsiyaning asoslari o'rtalarini tutashtiruvchi kesmaning uzunligi 3 ga teng. Trapetsiyaning katta asosi uzunligini toping.

A) 13 B) 14 C) 12 D) 15

2606. 4.3-3 file-» 50 - 124 - - (704581)
Trapetsiya o'rta chizig'i uzunligi 17 ga, katta asosidagi burchaklari $30°$ va $60°$ ga teng. Trapetsiyaning asoslari o'rtalarini tutashtiruvchi kesmaning uzunligi 4 ga teng. Trapetsiyaning katta asosi uzunligini toping.

A) 23 **B) 21** C) 22 D) 20

2607. 4.3-3 file-» 50 - 124 - - (704582)
Trapetsiya o'rta chizig'i uzunligi 8 ga, katta asosidagi burchaklari $30°$ va $60°$ ga teng. Trapetsiyaning asoslari o'rtalarini tutashtiruvchi kesmaning uzunligi 5 ga teng. Trapetsiyaning katta asosi uzunligini toping.

A) 12 B) 15 **C) 13** D) 14

2608. 4.3-3 file-» 50 - 124 - - (704583)
Trapetsiya o'rta chizig'i uzunligi 19 ga, katta asosidagi burchaklari $30°$ va $60°$ ga teng. Trapetsiyaning asoslari o'rtalarini tutashtiruvchi kesmaning uzunligi 6 ga teng. Trapetsiyaning katta asosi uzunligini toping.

A) 26 B) 24 C) 27 **D) 25**

2609. 4.3-3 file-» 50 - 124 - - (704584)
Trapetsiya o'rta chizig'i uzunligi 6 ga, katta asosidagi burchaklari $30°$ va $60°$ ga teng. Trapetsiyaning asoslari o'rtalarini tutashtiruvchi kesmaning uzunligi 7 ga teng. Trapetsiyaning katta asosi uzunligini toping.

A) 13 B) 14 C) 12 D) 15

2610.　　4.3-3 file-» 50 - 124 - -　　　　(704585)
Trapetsiya oʻrta chizigʻi uzunligi 21 ga, katta asosidagi burchaklari 30° va 60° ga teng. Trapetsiyaning asoslari oʻrtalarini tutashtiruvchi kesmaning uzunligi 8 ga teng. Trapetsiyaning katta asosi uzunligini toping.

A) 31　**B)** 29　C) 30　D) 28

2611.　　4.3-3 file-» 50 - 124 - -　　　　(704586)
Trapetsiya oʻrta chizigʻi uzunligi 7 ga, katta asosidagi burchaklari 30° va 60° ga teng. Trapetsiyaning asoslari oʻrtalarini tutashtiruvchi kesmaning uzunligi 1 ga teng. Trapetsiyaning kichik asosi uzunligini toping.

A) 6　B) 7　C) 5　D) 4

2612.　　4.3-3 file-» 50 - 124 - -　　　　(704587)
Trapetsiya oʻrta chizigʻi uzunligi 8 ga, katta asosidagi burchaklari 30° va 60° ga teng. Trapetsiyaning asoslari oʻrtalarini tutashtiruvchi kesmaning uzunligi 2 ga teng. Trapetsiyaning kichik asosi uzunligini toping.

A) 4　**B)** 6　C) 7　D) 5

2613.　　4.3-3 file-» 50 - 124 - -　　　　(704588)
Trapetsiya oʻrta chizigʻi uzunligi 9 ga, katta asosidagi burchaklari 30° va 60° ga teng. Trapetsiyaning asoslari oʻrtalarini tutashtiruvchi kesmaning uzunligi 3 ga teng. Trapetsiyaning kichik asosi uzunligini toping.

A) 5　B) 4　**C)** 6　D) 7

2614.　　4.3-3 file-» 50 - 124 - -　　　　(704589)
Trapetsiya oʻrta chizigʻi uzunligi 10 ga, katta asosidagi burchaklari 30° va 60° ga teng. Trapetsiyaning asoslari oʻrtalarini tutashtiruvchi kesmaning uzunligi 4 ga teng. Trapetsiyaning kichik asosi uzunligini toping.

A) 7　B) 5　C) 4　**D)** 6

2615.　　4.3-3 file-» 50 - 124 - -　　　　(704590)
Trapetsiya oʻrta chizigʻi uzunligi 11 ga, katta asosidagi burchaklari 30° va 60° ga teng. Trapetsiyaning asoslari oʻrtalarini tutashtiruvchi kesmaning uzunligi 5 ga teng. Trapetsiyaning kichik asosi uzunligini toping.

A) 6　B) 7　C) 5　D) 4

2616.　　4.3-3 file-» 50 - 124 - -　　　　(704591)
Trapetsiya oʻrta chizigʻi uzunligi 12 ga, katta asosidagi burchaklari 30° va 60° ga teng. Trapetsiyaning asoslari oʻrtalarini tutashtiruvchi kesmaning uzunligi 6 ga teng. Trapetsiyaning kichik asosi uzunligini toping.

A) 4　**B)** 6　C) 7　D) 5

2617.　　4.3-3 file-» 50 - 124 - -　　　　(704592)
Trapetsiya oʻrta chizigʻi uzunligi 13 ga, katta asosidagi burchaklari 30° va 60° ga teng. Trapetsiyaning asoslari oʻrtalarini tutashtiruvchi kesmaning uzunligi 7 ga teng. Trapetsiyaning kichik asosi uzunligini toping.

A) 5　B) 4　**C)** 6　D) 7

2618.　　4.3-3 file-» 50 - 124 - -　　　　(704593)
Trapetsiya oʻrta chizigʻi uzunligi 14 ga, katta asosidagi burchaklari 30° va 60° ga teng. Trapetsiyaning asoslari oʻrtalarini tutashtiruvchi kesmaning uzunligi 8 ga teng. Trapetsiyaning kichik asosi uzunligini toping.

A) 7　B) 5　C) 4　**D)** 6

2619.　　4.3-3 file-» 51 - 1 - -　　　　(719578)
Toʻgʻri burchakli trapetsiyaning asoslari 10 va 19 ga, yuzi 174 ga teng. Trapetsiyaning perimetrini toping.

A) 56　B) 58　C) 46　D) 57

2620.　　4.3-3 file-» 51 - 2 - -　　　　(719579)
Rombning diagonallari yigʻindisi q ga, yuzi S ga teng. Uning tomoni uzunligini toping.

A) $\dfrac{1}{2}\sqrt{q^2 - 4S}$　B) $\dfrac{1}{4}\sqrt{q^2 - S}$

C) $3\sqrt{S - q^2}$　D) $\dfrac{1}{6}\sqrt{4S - q^2}$

2621.　　4.3-3 file-» 51 - 2 - -　　　　(719580)
Oʻtkir burchagi α ga teng boʻlgan teng yonli trapetsiyaga doira ichki chizilgan. Doira yuzining trapetsiya yuziga nisbatini toping.

A) $\dfrac{\pi \sin \alpha}{4}$　B) $\dfrac{4}{\pi \sin \alpha}$　C) $\dfrac{\pi tg\alpha}{5}$

D) $\dfrac{5}{\pi tg\alpha}$

2622.　　4.3-3 file-» 51 - 2 - -　　　　(719581)
Toʻgʻri burchakli trapetsiyaning asoslari 7 va 31 ga, katta yon tomoni esa 25 ga teng. Trapetsiyaning perimetrini toping.

A) 70　B) 63　C) 87　D) 80

2623.　　4.3-3 file-» 51 - 2 - -　　　　(719582)
Tomonlari 9, 10 va 17 boʻlgan uchburchakning eng katta balandligini toping.

A) 7　B) 10　C) 9　**D)** 8

2624.　　4.3-3 file-» 58 - 1 - -　　　　(719583)
$ABCD$ trapetsiyaning yon tomoni $AB = 4\sqrt{3}$ ga, A burchakning AK bissektrisasi 4 ga teng ($K \in CD$, $DK = KC$). BK kesmaning uzunligini toping.

A) $4\sqrt{3}$　B) $2\sqrt{13}$　**C)** $4\sqrt{2}$　D) 6

2625.   4.3-3 file-» 50 - 131 - -   (719584)
To'g'ri burchakli trapetsiyaning asoslari 7 va 11 ga, yuzi esa 27 ga teng. Shu trapetsiyaning perimetrini toping.
A) 21   B) 23   **C)** 26   D) 36

2626.   4.3-3 file-» 50 - 131 - -   (719585)
To'g'ri burchakli trapetsiyaning asoslari 8 va 11 ga, yuzi esa 38 ga teng. Shu trapetsiyaning perimetrini toping.
A) 38   B) 23   C) 24   **D)** 28

2627.   4.3-3 file-» 50 - 131 - -   (719586)
To'g'ri burchakli trapetsiyaning asoslari 8 va 12 ga, yuzi esa 30 ga teng. Shu trapetsiyaning perimetrini toping.
A) 28   B) 40   C) 23   D) 25

2628.   4.3-3 file-» 50 - 131 - -   (719587)
To'g'ri burchakli trapetsiyaning asoslari 9 va 12 ga, yuzi esa 42 ga teng. Shu trapetsiyaning perimetrini toping.
A) 26   **B)** 30   C) 42   D) 25

2629.   4.3-3 file-» 50 - 131 - -   (719588)
To'g'ri burchakli trapetsiyaning asoslari 9 va 13 ga, yuzi esa 33 ga teng. Shu trapetsiyaning perimetrini toping.
A) 25   B) 27   **C)** 30   D) 44

2630.   4.3-3 file-» 50 - 131 - -   (719589)
To'g'ri burchakli trapetsiyaning asoslari 10 va 7 ga, yuzi esa 34 ga teng. Shu trapetsiyaning perimetrini toping.
A) 34   B) 21   C) 22   **D)** 26

2631.   4.3-3 file-» 50 - 131 - -   (719590)
To'g'ri burchakli trapetsiyaning asoslari 10 va 13 ga, yuzi esa 46 ga teng. Shu trapetsiyaning perimetrini toping.
A) 32   B) 46   C) 27   D) 28

2632.   4.3-3 file-» 50 - 131 - -   (719591)
To'g'ri burchakli trapetsiyaning asoslari 10 va 14 ga, yuzi esa 36 ga teng. Shu trapetsiyaning perimetrini toping.
A) 29   **B)** 32   C) 48   D) 27

2633.   4.3-3 file-» 50 - 131 - -   (719592)
To'g'ri burchakli trapetsiyaning asoslari 11 va 7 ga, yuzi esa 27 ga teng. Shu trapetsiyaning perimetrini toping.
A) 21   B) 23   **C)** 26   D) 36

2634.   4.3-3 file-» 50 - 131 - -   (719593)
To'g'ri burchakli trapetsiyaning asoslari 11 va 8 ga, yuzi esa 38 ga teng. Shu trapetsiyaning perimetrini toping.
A) 38   B) 23   C) 24   **D)** 28

2635.   4.3-3 file-» 50 - 131 - -   (719594)
To'g'ri burchakli trapetsiyaning asoslari 11 va 14 ga, yuzi esa 50 ga teng. Shu trapetsiyaning perimetrini toping.
A) 34   B) 50   C) 29   D) 30

2636.   4.3-3 file-» 50 - 131 - -   (719595)
To'g'ri burchakli trapetsiyaning asoslari 11 va 15 ga, yuzi esa 39 ga teng. Shu trapetsiyaning perimetrini toping.
A) 31   **B)** 34   C) 52   D) 29

2637.   4.3-3 file-» 50 - 131 - -   (719596)
To'g'ri burchakli trapetsiyaning asoslari 12 va 8 ga, yuzi esa 30 ga teng. Shu trapetsiyaning perimetrini toping.
A) 23   B) 25   **C)** 28   D) 40

2638.   4.3-3 file-» 50 - 131 - -   (719597)
To'g'ri burchakli trapetsiyaning asoslari 12 va 9 ga, yuzi esa 42 ga teng. Shu trapetsiyaning perimetrini toping.
A) 42   B) 25   C) 26   **D)** 30

2639.   4.3-3 file-» 50 - 131 - -   (719598)
To'g'ri burchakli trapetsiyaning asoslari 12 va 16 ga, yuzi esa 42 ga teng. Shu trapetsiyaning perimetrini toping.
A) 36   B) 56   C) 31   D) 33

2640.   4.3-3 file-» 50 - 131 - -   (719599)
To'g'ri burchakli trapetsiyaning asoslari 13 va 9 ga, yuzi esa 33 ga teng. Shu trapetsiyaning perimetrini toping.
A) 27   **B)** 30   C) 44   D) 25

2641.   4.3-3 file-» 50 - 131 - -   (719600)
To'g'ri burchakli trapetsiyaning asoslari 13 va 10 ga, yuzi esa 46 ga teng. Shu trapetsiyaning perimetrini toping.
A) 27   B) 28   **C)** 32   D) 46

2642.   4.3-3 file-» 50 - 131 - -   (719601)
To'g'ri burchakli trapetsiyaning asoslari 13 va 17 ga, yuzi esa 45 ga teng. Shu trapetsiyaning perimetrini toping.
A) 60   B) 33   C) 35   **D)** 38

2643.   4.3-3 file-» 50 - 131 - -   (719602)
To'g'ri burchakli trapetsiyaning asoslari 14 va 10 ga, yuzi esa 36 ga teng. Shu trapetsiyaning perimetrini toping.
A) 32   B) 48   C) 27   D) 29

2644.   4.3-3 file-» 50 - 131 - -   (719603)
To'g'ri burchakli trapetsiyaning asoslari 14 va 11 ga, yuzi esa 50 ga teng. Shu trapetsiyaning perimetrini toping.
A) 30   **B)** 34   C) 50   D) 29

2645. 4.3-3 file-» 50 - 131 - - (719604)
To'g'ri burchakli trapetsiyaning asoslari 14 va 18 ga, yuzi esa 48 ga teng. Shu trapetsiyaning perimetrini toping.

A) 35   B) 37   **C)** 40   D) 64

2646. 4.3-3 file-» 50 - 131 - - (719605)
To'g'ri burchakli trapetsiyaning asoslari 15 va 11 ga, yuzi esa 39 ga teng. Shu trapetsiyaning perimetrini toping.

A) 52   B) 29   C) 31   **D)** 34

2647. 4.3-3 file-» 50 - 131 - - (719606)
To'g'ri burchakli trapetsiyaning asoslari 16 va 12 ga, yuzi esa 42 ga teng. Shu trapetsiyaning perimetrini toping.

A) 36   B) 56   C) 31   D) 33

2648. 4.3-3 file-» 50 - 131 - - (719607)
To'g'ri burchakli trapetsiyaning asoslari 17 va 13 ga, yuzi esa 45 ga teng. Shu trapetsiyaning perimetrini toping.

A) 35   **B)** 38   C) 60   D) 33

2649. 4.3-3 file-» 50 - 131 - - (719608)
To'g'ri burchakli trapetsiyaning asoslari 18 va 14 ga, yuzi esa 48 ga teng. Shu trapetsiyaning perimetrini toping.

A) 35   B) 37   **C)** 40   D) 64

2650. 4.3-4 file-» 23 - 4 - - (36571)
ABCD тўғри бурчакли трапециянинг (AD||BC ва AB⊥AD) кичик диагонали катта ён томонига тенг. Трапециянинг кичик диагонали ва кичик асоси орасидаги бурчак 60° га тенг. Трапециянинг ўткир бурчагини топинг.

A) 40°   **B)** 60°   C) 30°   D) 45°

2651. 4.3-4 file-» 22 - 17 - - (56998)
$\vec{a}$ ва $\vec{b}$ векторлар 45° ли бурчак ташкил қилади ва $\vec{a} \cdot \vec{b} = 6$. Шу векторларга қурилган учбурчакнинг юзини ҳисобланг.

A) 6   B) $3\sqrt{2}$ C) $6\sqrt{2}$ **D)** 3

2652. 4.3-4 file-» 22 - 18 - - (57058)
Агар $\vec{m}$ ва $\vec{n}$ векторлар 30° ли бурчак ташкил этса ва $\vec{m} \cdot \vec{n} = 2\sqrt{3}$ бўлса, уларга қурилган параллелограммнинг юзини ҳисобланг.

A) 2   B) $\frac{\sqrt{3}}{2}$ C) 1   D) $2\sqrt{3}$

2653. 4.3-4 file-» 23 - 15 - - 2 (64333)
Параллелограммнинг 5 га тенг бўлган диагонали унинг 12 га тенг бўлган ён томонига перпендикуляр. Параллелограммнинг катта томонига туширилган баландлигини топинг.

A) $3\frac{8}{13}$ **B)** $4\frac{8}{13}$ C) $5\frac{8}{13}$ D) $4\frac{5}{13}$

2654. 4.3-4 file-» 23 - 11 - - 9 (70997)
Ўткир бурчаги 30° бўлган тўғри бурчакли трапеция диаметри 12 га тенг айланага ташқи чизилган. Трапециянинг юзини топинг.

A) 206   B) 240   **C)** 216   D) 196

2655. 4.3-4 file-» 23 - 11 - - 9 (71003)
$\vec{m}, \vec{n}$ ва $\vec{p}$ бирлик векторлар берилган. Агар $\vec{m} \perp \vec{n}$ ва $\vec{n} \perp \vec{p}$ бўлиб, $\vec{p}$ ва $\vec{m}$ векторлар орасидаги бурчак 60° га тенг бўлса, $(\vec{m} + 2\vec{p})(\vec{m} + 2\vec{n})$ скаляр кўпайтманинг қийматини топинг.

A) 2   B) $2,2$ C) $2,4$ D) $2,5$

2656. 4.3-4 file-» 22 - 20 - - 6 (96088)
Айланага ташқи чизилган тўртбурчакнинг учта кетма-кет томонлари нисбати 1:2:3 каби. Агар тўртбурчакнинг периметри 28,8 га тенг бўлса, унинг энг кичик томонини топинг.

A) $3,6$ B) 4   C) 3   D) $4,5$

2657. 4.3-4 file-» 2 - 6 - - (108290)
A(−6; −1) нуқта B(−2; 1) ва C(n; 5) нуқталардан ўтувчи тўғри чизиқда ётса, n нинг қиймати нечага тенг бўлади?

A) 5   B) 4   **C)** 6   D) 3

2658. 4.3-4 file-» 32 - 2 - - 11 (119920)
Трапеция асосларининг узунликлари 28 ва 10 га тенг. Трапеция диагоналлари ўрталарини туташтирувчи кесманинг узунлигини аниқланг.

A) 8   B) 10   C) 7   **D)** 9

2659. 4.3-4 file-» 19 - 5 - - 2 (123045)
Томони 12 га ва ўткир бурчаги 30° га тенг ромбга ички чизилган айлананинг диаметрини топинг.

A) 6   B) 7   C) 8   D) 9

2660. 4.4-3 file-» 22 - 13 - - (36325)
Тенг ёнли трапециянинг асослари 21 ва 27 га, кичик асосидаги бурчаги эса 135° га тенг. Трапециянинг юзини топинг.

A) 72   B) 62   C) 96   D) 48

2661. 4.4-3 file-» 22 - 15 - - (36424)
Тенг ёнли трапециянинг асослари 8 ва 26 га, ён томони эса 15 га тенг. Трапециянинг юзини ҳисобланг.

A) 184   B) 102   **C) 204**   D) 255

2662. 4.4-3 file-» 22 - 1 - - (36771)
Тенг ёнли трапециянинг асослари 10 ва 18 га, асосидаги бурчаги 60° га тенг. Шу трапециянинг юзини ҳисобланг.

A) $36\sqrt{3}$ **B) $56\sqrt{3}$**   C) $46\sqrt{3}$ D) $28\sqrt{3}$

2663. 4.4-3 file-» 22 - 1 - - (36775)
Ромбнинг юзи 120 га, диагоналларидан бири 24 га тенг. Унинг томонини топинг.

A) 10   **B) 13**   C) 8   D) 14

2664. 4.4-3 file-» 6 - 7 - - (56447)
Кичик диагонали $24\sqrt{3}$ бўлган мунтазам олтибурчакка ташқи чизилган айлананинг радиусини топинг.

A) $24\sqrt{3}$ B) $12\sqrt{3}$ C) 12   **D) 24**

2665. 4.4-3 file-» 6 - 7 - - (56448)
Мунтазам олтибурчакка ташқи чизилган айлананинг радиуси $8\sqrt{3}$ га тенг. Унинг параллель томонлари орасидаги масофа топилсин.

A) 18   B) 12   **C) 24**   D) 16

2666. 4.4-3 file-» 6 - 8 - - (56506)
Мунтазам олтибурчакка ташқи чизилган айлананинг радиуси $4\sqrt{3}$ га тенг. Унинг кичик диагоналини топинг.

A) $6\sqrt{6}$ **B) 12**   C) 6   D) $3\sqrt{6}$

2667. 4.4-3 file-» 6 - 8 - - (56507)
Айлананинг радиуси 8 га тенг. Айланага ички чизилган мунтазам учбурчакнинг юзини топинг.

A) 64   B) $36\sqrt{2}$ C) $27\sqrt{3}$ **D) $48\sqrt{3}$**

2668. 4.4-3 file-» 16 - 1 - - (56834)
Икки томони йиғиндиси 1,8 га ва улар орасидаги бурчаги 150° га тенг бўлган учбурчаклар ичида юзаси энг катта бўлган учбурчакнинг юзини топинг.

A) $\dfrac{9}{10}$ B) $\dfrac{4}{25}$ C) $\dfrac{81}{100}$ **D) $\dfrac{81}{400}$**

2669. 4.4-3 file-» 23 - 5 - - (57119)
Айланага ички чизилган мунтазам олти бурчакнинг томони 12 га тенг. Шу айланага квадрат ҳам ички чизилган. Квадратга ички чизилган доиранинг юзини топинг.

A) 72π   B) 90π C) 48π D) 36π

2670. 4.4-3 file-» 22 - 13 - - (315482)
Teng yonli trapetsiyaning asoslari 21 va 27 ga, kichik asosidagi burchagi esa 135° ga teng. Trapetsiyaning yuzini toping.

A) 72   B) 62   C) 96   D) 48

2671. 4.4-3 file-» 22 - 14 - - (315483)
Teng yonli trapetsiyaning asoslari 7 va 25 ga, diagonali esa 20 ga teng. Trapetsiyaning yuzini hisoblang.

A) 182   B) 160   C) 128   **D) 192**

2672. 4.4-3 file-» 22 - 15 - - (315484)
Teng yonli trapetsiyaning asoslari 8 va 26 ga, yon tomoni esa 15 ga teng. Trapetsiyaning yuzini hisoblang.

A) 184   B) 102   **C) 204**   D) 255

2673. 4.4-3 file-» 22 - 1 - - (315485)
Teng yonli trapetsiyaning asoslari 10 va 18 ga, asosidagi burchagi 60° ga teng. Shu trapetsiyaning yuzini hisoblang.

A) $36\sqrt{3}$ **B) $56\sqrt{3}$**   C) $46\sqrt{3}$ D) $28\sqrt{3}$

2674. 4.4-3 file-» 22 - 1 - - (315486)
Perimetrlari 24 va 36 bo'lgan ikki o'xshash uchburchakdan birining yuzi ikkinchisinikidan 12,5 ga ortiq. Kichik uchburchakning yuzini toping.

A) 10   B) 9   C) 8   D) 12

2675. 4.4-3 file-» 22 - 1 - - (315487)
Rombning yuzi 120 ga, diagonallaridan biri 24 ga teng. Uning tomonini toping.

A) 10   **B) 13**   C) 8   D) 14

2676. 4.4-3 file-» 6 - 7 - - (315488)
Kichik diagonali $24\sqrt{3}$ bo'lgan muntazam oltiburchakka tashqi chizilgan aylananing radiusini toping.

A) $24\sqrt{3}$ B) $12\sqrt{3}$ C) 12   **D) 24**

2677. 4.4-3 file-» 6 - 7 - - (315489)
Muntazam oltiburchakka tashqi chizilgan aylananing radiusi $8\sqrt{3}$ ga teng. Uning parallel tomonlari orasidagi masofa topilsin.

A) 18   B) 12   **C) 24**   D) 16

2678. 4.4-3 file-» 6 - 8 - - (315490)
Muntazam oltiburchakka tashqi chizilgan aylananing radiusi $4\sqrt{3}$ ga teng. Uning kichik diagonalini toping.

A) $6\sqrt{6}$ **B) 12**   C) 6   D) $3\sqrt{6}$

2679. 4.4-3 file-» 6 - 8 - - (315491)
Aylananing radiusi 8 ga teng. Aylanaga ichki chizilgan muntazam uchburchakning yuzini toping.

A) 64   B) $36\sqrt{2}$ C) $27\sqrt{3}$ **D) $48\sqrt{3}$**

2680. 4.4-3 file-» 16 - 1 - - (315492)
Ikki tomoni yig'indisi 1,8 ga va ular orasidagi burchagi 150° ga teng bo'lgan uchburchaklar ichida yuzasi eng katta bo'lgan uchburchakning yuzini toping.

A) $\dfrac{9}{10}$ B) $\dfrac{4}{25}$ C) $\dfrac{81}{100}$ **D)** $\dfrac{81}{400}$

2681. 4.4-3 file-» 23 - 5 - - (315493)
Aylanaga ichki chizilgan muntazam olti burchakning tomoni 12 ga teng. Shu aylanaga kvadrat ham ichki chizilgan. Kvadratga ichki chizilgan doiraning yuzini toping.

A) 72π B) 90π C) 48π D) 36π

2682. 4.4-3 file-» 23 - 9 - - (315494)
Doiraga tashqi chizilgan teng yonli trapetsiyaning perimetri 52 ga teng. Agar doiraning radiusi 5 ga teng bo'lsa, trapetsiyaning yuzi qanchaga teng bo'ladi?

A) 110   B) 120   **C)** 130   D) 100

2683. 4.4-3 file-» 19 - 1 - - 3 (315495)
ABC uchburchakning AB va AC tomonlarida shunday K va N nuqtalar olindiki, $AK = \dfrac{1}{3}AB$ ga va $AN = \dfrac{2}{3}AC$ ga teng bo'ldi. ABC uchburchakning yuzi 54 ga teng. AKN uchburchakning yuzini toping.

A) 4   B) 6   C) 9   **D)** 12

2684. 4.4-3 file-» 16 - 3 - - 5 (315496)
BC va AD - trapetsiyaning asoslari; O - AC va BD diagonallarning kesishish nuqtasi.BOC va AOD uchburchaklarning yuzlari mos ravishda 16 va 25 ga teng. Trapetsiyaning yuzini toping.

A) 256   **B)** 81   C) 75   D) 123

2685. 4.4-3 file-» 22 - 19 - - 4 (315497)
Balandliklari $6\sqrt{3}$ va 7 ga, ular orasidagi burchagi 60° ga teng parallelogrammning yuzini toping.

A) $63\sqrt{3}$ B) 63   **C)** 84   D) 96

2686. 4.4-3 file-» 23 - 17 - - 7 (315498)
$ABCD$ parallelogrammning A burchagi 30° ga teng. A burchakning bissektrisasi BC tomonni E nuqtada kesib o'tadi. Agar $BE = 6$ va $EC = 2$ bo'lsa, parallelogrammning yuzini toping.

A) 24   B) 16   C) 18   D) 12

2687. 4.4-3 file-» 23 - 19 - - 2 (315499)
Teng yonli trapetsiyaning diagonali yon tomoniga perpendikulyar. Uning o'tmas uchidan tushirilgan balandligi 6 ga teng va asosini 4:1 nisbatda bo'ladi. Trapetsiyaning yuzini toping.

A) 60   B) 64   **C)** 72   D) 50

2688. 4.4-3 file-» 23 - 18 - - 7 (315500)
Teng yonli trapetsiyaning diagonallari o'zaro perpendikulyar. Trapetsiyaning katta asosi $18\sqrt{3}$ ga, kichik asosi esa $6\sqrt{3}$ ga teng. Trapetsiyaning yuzini toping.

A) 216   B) 422   C) 288   **D)** 432

2689. 4.4-3 file-» 22 - 23 - - 6 (315501)
Rombning diagonallari 9 va 12 ga teng. Unga ichki chizilgan doira yuzining romb yuziga nisbatini toping.

A) $\pi : 4$ B) $3\pi : 16$ **C)** $6\pi : 25$
D) $9\pi : 25$

2690. 4.4-3 file-» 22 - 4 - - (402066)
To'g'ri burchakli uchburchak gipotenuzasi 25 sm, katta katetning gipotenuzadagi proyeksiyasi 16 sm. Shu uchburchak yuzini toping.

A) 216   B) 206   **C)** 150   D) 300

2691. 4.4-3 file-» 22 - 11 - - (402067)
Ikkita o'xshash uchburchakning perimetrlari 18 va 36 ga, yuzlarining yig'indisi 52,5 ga teng. Katta uchburchakning yuzini toping.

A) 36   B) 24   C) 48   **D)** 42

2692. 4.4-3 file-» 22 - 12 - - (402068)
Yuzlari 8 va 32 bo'lgan ikkita o'xshash uchburchak perimetrlarining yig'indisi 57 ga teng. Kichik uchburchakning perimetrini toping.

A) 12   B) 16   C) 20   **D)** 19

2693. 4.4-3 file-» 22 - 2 - - (402069)
To'g'ri burchakli uchburchak kateti 16 sm, uning gipotenuzadagi proyeksiyasi esa 12,8 sm. Shu uchburchakning yuzi necha sm^2?

A) 54   B) 48   **C)** 96   D) 84

2694. 4.4-3 file-» 13 - 3 - - (402070)
Rombning uchidan tushirilgan balandligi uning tomonini, o'tkir burchagi uchidan boshlab hisoblaganda, 6 va 4 ga teng kesmalarga bo'ladi. Rombning yuzini toping.

A) 40   B) 20   **C)** 80   D) 48

2695. 4.4-3 file-» 22 - 17 - - (402071)
Teng yonli uchburchakning perimetri 48 ga teng. Asosi yon tomonidan $1,2$ marta katta. Uchburchakning yuzini toping.

A) 48   B) 96   C) 54   **D)** 108

2696. 4.4-3 file-» 12 - 2 - - 7 (402072)
Rombning yuzi 216 ga, perimetri 60 ga teng. Uning diagonallari yig'indisini toping.

A) 32   B) 48   **C)** 42   D) 40

2697. 4.4-3 file-» 2 - 3 - - 2   (402073)
To'g'ri burchakli uchburchakka ichki chizilgan aylananing urinish nuqtasi gipotenuzadan uzunliklari 6 va 9 ga teng kesmalar ajratadi. Uchburchakning yuzini toping.

  A) 54   B) 48   C) 30   D) 36

2698. 4.4-3 file-» 32 - 2 - - 11   (402074)
To'g'ri burchakli uchburchakka ichki chizilgan aylananing urinish nuqtasi gipotenuzani 8 va 12 ga teng kesmalarga ajratadi. Uchburchakning yuzini toping.

  A) 84   B) 24   **C)** 96   D) 48

2699. 4.4-3 file-» 32 - 2 - - 11   (402075)
ABC uchburchakda medianalar kesishgan nuqtadan AB tomongacha bo'lgan masofa $1\frac{1}{3}$ ga teng. Agar $AB = 8$ bo'lsa, ABC uchburchakning yuzini toping.

  A) 12   **B)** 16   C) 9   D) 13

2700. 4.4-3 file-» 2 - 42 - - 5   (402076)
To'g'ri burchakli uchburchakning perimetri 168 ga, gipotenuzasi 74 ga teng. Bu uchburchakning yuzini toping.

  A) 1040   **B)** 840   C) 630   D) 820

2701. 4.4-3 file-» 34 - 1 - - 7   (402077)
Uchburchakning yuzi 4 ga, ikkita tomoni 3 va 4 ga teng. Berilgan tomonlar orasidagi burchak bissektrisasi ajratgan uchburchaklarning yuzlarini toping.

  A) $\frac{2}{3}; \frac{10}{3}$ B) $\frac{1}{2}; \frac{7}{2}$ C) 1; 3   **D)** $\frac{12}{7}; \frac{16}{7}$

2702. 4.4-3 file-» 2 - 43 - - 8   (402078)
Rombning perimetri 104 ga, diagonallarining yig'indisi 68 ga teng. Rombning yuzini toping.

  A) 360   **B)** 480   C) 540   D) 120

2703. 4.4-3 file-» 2 - 43 - - 8   (402079)
Aylanaga ichki chizilgan muntazam uchburchakning tomoni 9 ga teng. Shu aylanaga ichki chizilgan kvadratning yuzini toping.

  A) 54   B) 45   C) 48   D) 36

2704. 4.4-3 file-» 16 - 13 - - 7   (402080)
To'g'ri burchakli uchburchakning katetlaridan biri boshqasiga qaraganda 2 marta katta. Shu uchburchakning gipotenuzasiga tushirilgan balandligi 12 ga teng. Uchburchakning yuzini toping.

  A) 180   B) 108   C) 120   D) 96

2705. 4.4-3 file-» 50 - 125 - -   (704594)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 2 va 3 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.

  A) 60   B) 50   **C)** 30   D) 25

2706. 4.4-3 file-» 50 - 125 - -   (704595)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 3 va 4 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.

  A) 73,5   B) 168   C) 147   **D)** 84

2707. 4.4-3 file-» 50 - 125 - -   (704596)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 3 va 5 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.

  A) 60   B) 48   C) 120   D) 96

2708. 4.4-3 file-» 50 - 125 - -   (704597)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 4 va 5 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.

  A) 324   **B)** 180   C) 162   D) 360

2709. 4.4-3 file-» 50 - 125 - -   (704598)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 5 va 6 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.

  A) 660   B) 604   **C)** 330   D) 302

2710. 4.4-3 file-» 50 - 125 - -   (704599)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 5 va 7 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.

  A) 180   B) 420   C) 360   **D)** 210

2711.   4.4-3 file-» 50 - 125 - -   (704600)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 7 va 9 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.

A) 504   B) 448   C) 1008   D) 896

2712.   4.4-3 file-» 50 - 125 - -   (704601)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 6 va 14 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.

A) 300   **B)** 210   C) 150   D) 420

2713.   4.4-3 file-» 50 - 125 - -   (704602)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 10 va 18 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.

A) 1260   B) 980   **C)** 630   D) 490

2714.   4.4-3 file-» 50 - 125 - -   (704603)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 4 va 20 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.

A) 100   B) 240   C) 200   **D)** 120

2715.   4.4-3 file-» 50 - 125 - -   (704604)
Teng yonli uchburchakning asosi 6 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.

A) 9   B) 4,5   **C)** $3\sqrt{3}$ D) $9\sqrt{3}$

2716.   4.4-3 file-» 50 - 125 - -   (704605)
Teng yonli uchburchakning asosi 12 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.

A) $36\sqrt{3}$ B) 36   C) 18   **D)** $12\sqrt{3}$

2717.   4.4-3 file-» 50 - 125 - -   (704606)
Teng yonli uchburchakning asosi 18 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.

A) $27\sqrt{3}$ B) $81\sqrt{3}$ C) 81   D) 40,5

2718.   4.4-3 file-» 50 - 125 - -   (704607)
Teng yonli uchburchakning asosi 24 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.

A) 72   **B)** $48\sqrt{3}$ C) $144\sqrt{3}$ D) 144

2719.   4.4-3 file-» 50 - 125 - -   (704608)
Teng yonli uchburchakning asosi 30 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.

A) 225   B) 112,5   **C)** $75\sqrt{3}$ D) $225\sqrt{3}$

2720.   4.4-3 file-» 50 - 125 - -   (704609)
Teng yonli uchburchakning asosi 36 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.

A) $324\sqrt{3}$ B) 324   C) 162   **D)** $108\sqrt{3}$

2721.   4.4-3 file-» 50 - 125 - -   (704610)
Teng yonli uchburchakning asosi 42 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.

A) $147\sqrt{3}$ B) $441\sqrt{3}$ C) 441   D) 220,5

2722.   4.4-3 file-» 50 - 125 - -   (704611)
Teng yonli uchburchakning asosi 48 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.

A) 288   **B)** $192\sqrt{3}$ C) $576\sqrt{3}$ D) 576

2723.   4.4-3 file-» 50 - 125 - -   (704612)
Teng yonli uchburchakning asosi 54 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.

A) 729   B) 364,5   **C)** $243\sqrt{3}$ D) $729\sqrt{3}$

2724.   4.4-3 file-» 50 - 125 - -   (704613)
Teng yonli uchburchakning asosi 60 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.

A) $900\sqrt{3}$ B) 900   C) 450   **D)** $300\sqrt{3}$

2725. 4.4-3 file-» 50 - 125 - - (704614)
Tomonining uzunligi $12 + 6\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.

A) 81 B) 162 C) 216 **D) 108**

2726. 4.4-3 file-» 50 - 125 - - (704615)
Tomonining uzunligi $14 + 7\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.

A) 147 B) 110, 25 C) 220, 5 D) 294

2727. 4.4-3 file-» 50 - 125 - - (704616)
Tomonining uzunligi $16 + 8\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.

A) 384 **B) 192** C) 144 D) 288

2728. 4.4-3 file-» 50 - 125 - - (704617)
Tomonining uzunligi $18 + 9\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.

A) 364, 5 B) 486 **C) 243** D) 182, 25

2729. 4.4-3 file-» 50 - 125 - - (704618)
Tomonining uzunligi $20 + 10\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.

A) 225 B) 450 C) 600 **D) 300**

2730. 4.4-3 file-» 50 - 125 - - (704619)
Tomonining uzunligi $22 + 11\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.

A) 363 B) 272, 25 C) 544, 5 D) 726

2731. 4.4-3 file-» 50 - 125 - - (704620)
Tomonining uzunligi $24 + 12\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.

A) 864 **B) 432** C) 324 D) 648

2732. 4.4-3 file-» 50 - 125 - - (704621)
Tomonining uzunligi $26 + 13\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.

A) 760, 5 B) 1014 **C) 507** D) 380, 25

2733. 4.4-3 file-» 50 - 125 - - (704622)
Tomonining uzunligi $28 + 14\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.

A) 441 B) 882 C) 1176 **D) 588**

2734. 4.4-3 file-» 50 - 125 - - (704623)
Tomonining uzunligi $30 + 15\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.

A) 675 B) 506, 25 C) 1012 D) 1350

2735. 4.4-3 file-» 51 - 1 - - (719609)
Perimetri 164 ga, diagonallari yig'indisi 98 ga teng bo'lgan rombning yuzini toping.

A) 420 B) 620 **C) 720** D) 820

2736. 4.4-3 file-» 51 - 1 - - (719610)
Rombning diagonallari 3:4 kabi nisbatda. Romb yuzining unga ichki chizilgan doira yuziga nisbatini toping.

A) $\dfrac{9}{\pi}$ B) $\dfrac{16}{\pi}$ C) $\dfrac{9}{4\pi}$ **D) $\dfrac{25}{6\pi}$**

2737. 4.4-3 file-» 58 - 1 - - (719611)
Trapetsiyaning diagonallari 17 va 10 ga, balandligi 8 ga teng. Uning yuzini toping.

A) 96 B) 92 **C) 84** D) 88

2738. 4.4-3 file-» 50 - 132 - - (719612)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 2 va 10 bo'lgan, kesmalarga ajratadi. Uchburchakning perimetrini toping.

A) 60 B) 54 **C) 30** D) 27

2739. 4.4-3 file-» 50 - 132 - - (719613)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 3 va 21 bo'lgan, kesmalarga ajratadi. Uchburchakning perimetrini toping.

A) 52 B) 112 C) 104 **D) 56**

2740. 4.4-3 file-» 50 - 132 - - (719614)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 3 va 12 bo'lgan, kesmalarga ajratadi. Uchburchakning perimetrini toping.

A) 40 B) 35 C) 80 D) 70

2741. 4.4-3 file-» 50 - 132 - - (719615)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 4 va 36 bo'lgan, kesmalarga ajratadi. Uchburchakning perimetrini toping.

A) 170 **B) 90** C) 85 D) 180

2742. 4.4-3 file-» 50 - 132 - - (719616)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 5 va 55 bo'lgan, kesmalarga ajratadi. Uchburchakning perimetrini toping.

A) 264   B) 252   **C) 132**   D) 126

2743. 4.4-3 file-» 50 - 132 - - (719617)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 5 va 30 bo'lgan, kesmalarga ajratadi. Uchburchakning perimetrini toping.

A) 77   B) 168   C) 154   **D) 84**

2744. 4.4-3 file-» 50 - 132 - - (719618)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 7 va 56 bo'lgan, kesmalarga ajratadi. Uchburchakning perimetrini toping.

A) 144   B) 135   C) 288   D) 270

2745. 4.4-3 file-» 50 - 132 - - (719619)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 6 va 15 bo'lgan, kesmalarga ajratadi. Uchburchakning perimetrini toping.

A) 112   **B) 70**   C) 56   D) 140

2746. 4.4-3 file-» 50 - 132 - - (719620)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 10 va 35 bo'lgan, kesmalarga ajratadi. Uchburchakning perimetrini toping.

A) 252   B) 216   **C) 126**   D) 108

2747. 4.4-3 file-» 50 - 132 - - (719621)
Asoslari 2 va 18 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.

A) 27   B) 30   C) 13, 5   **D) 60**

2748. 4.4-3 file-» 50 - 132 - - (719622)
Asoslari 3 va 12 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.

A) 45   B) 27   C) 22, 5   D) 13, 5

2749. 4.4-3 file-» 50 - 132 - - (719623)
Asoslari 4 va 9 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.

A) 13, 5   **B) 39**   C) 27   D) 19, 5

2750. 4.4-3 file-» 50 - 132 - - (719624)
Asoslari 4 va 16 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.

A) 40   B) 32   **C) 80**   D) 64

2751. 4.4-3 file-» 50 - 132 - - (719625)
Asoslari 2 va 32 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.

A) 64   B) 68   C) 32   **D) 136**

2752. 4.4-3 file-» 50 - 132 - - (719626)
Asoslari 2 va 50 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.

A) 260   B) 125   C) 130   D) 62, 5

2753. 4.4-3 file-» 50 - 132 - - (719627)
Asoslari 4 va 25 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.

A) 62, 5   **B) 145**   C) 125   D) 72, 5

2754. 4.4-3 file-» 50 - 132 - - (719628)
Asoslari 5 va 20 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.

A) 72, 5   B) 62, 5   **C) 125**   D) 115

2755. 4.4-3 file-» 50 - 132 - - (719629)
Asoslari 4 va 36 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.

A) 216   B) 120   C) 108   **D) 240**

2756. 4.4-3 file-» 50 - 132 - - (719630)
Asoslari 6 va 24 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.

A) 180   B) 216   C) 90   D) 108

2757. 4.4-3 file-» 50 - 132 - - (719631)
Asoslari 8 va 18 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.

A) 108   **B) 156**   C) 216   D) 78

2758. 4.4-4 file-» 22 - 14 - - (36374)
Тенг ёнли трапециянинг асослари 7 ва 25 га, диагонали эса 20 га тенг. Трапециянинг юзини ҳисобланг.

A) 182   B) 160   C) 128   **D) 192**

2759. 4.4-4 file-» 22 - 1 - - (36774)
Периметрлари 24 ва 36 бўлган икки ўхшаш учбурчакдан бирининг юзи иккинчисиникидан 12,5 га ортиқ. Кичик учбурчакнинг юзини топинг.

A) 10   B) 9   C) 8   D) 12

2760. 4.4-4 file-» 23 - 9 - - (57214)
Доирага ташқи чизилган тенг ёнли трапециянинг периметри 52 га тенг. Агар доиранинг радиуси 5 га тенг бўлса, трапециянинг юзи қанчага тенг бўлади?

A) 110   B) 120   **C)** 130   D) 100

2761. 4.4-4 file-» 19 - 1 - - 3 (68361)
ABC учбурчакнинг AB ва AC томонларида шундай K ва N нуқталар олиндики, $AK = \frac{1}{3}AB$ га ва $AN = \frac{2}{3}AC$ га тенг бўлди. ABC учбурчакнинг юзи 54 га тенг. AKN учбурчакнинг юзини топинг.

A) 4   B) 6   C) 9   **D)** 12

2762. 4.4-4 file-» 16 - 3 - - 5 (69053)
BC ва AD - трапециянинг асослари; O - AC ва BD диагоналларнинг кесишиш нуқтаси. BOC ва AOD учбурчакларнинг юзлари мос равишда 16 ва 25 га тенг. Трапециянинг юзини топинг.

A) 256   **B)** 81   C) 75   D) 123

2763. 4.4-4 file-» 22 - 19 - - 4 (69951)
Баландликлари $6\sqrt{3}$ ва 7 га, улар орасидаги бурчаги 60° га тенг параллелограммнинг юзини топинг.

A) $63\sqrt{3}$ B) 63   **C)** 84   D) 96

2764. 4.4-4 file-» 23 - 17 - - 7 (94304)
$ABCD$ параллелограммнинг A бурчаги 30° га тенг. A бурчакнинг биссектрисаси BC томонни E нуқтада кесиб ўтади. Агар $BE = 6$ ва $EC = 2$ бўлса, параллелограммнинг юзини топинг.

A) 24   B) 16   C) 18   D) 12

2765. 4.4-4 file-» 23 - 19 - - 2 (109081)
Тенг ёнли трапециянинг диагонали ён томонига перпендикуляр. Унинг ўтмас учидан туширилган баландлиги 6 га тенг ва асосини 4:1 нисбатда бўлади. Трапециянинг юзини топинг.

A) 60   B) 64   **C)** 72   D) 50

2766. 4.4-4 file-» 23 - 18 - - 7 (115498)
Тенг ёнли трапециянинг диагоналлари ўзаро перпендикуляр. Трапециянинг катта асоси $18\sqrt{3}$ га, кичик асоси эса $6\sqrt{3}$ га тенг. Трапециянинг юзини топинг.

A) 216   B) 422   C) 288   **D)** 432

2767. 4.4-4 file-» 22 - 23 - - 6 (134339)
Ромбнинг диагоналлари 9 ва 12 га тенг. Унга ички чизилган доира юзининг ромб юзига нисбатини топинг.

A) $\pi : 4$ B) $3\pi : 16$ **C)** $6\pi : 25$ D) $9\pi : 25$

2768. 5.1-1 file-» 50 - 21 - - (182946)
Текисликка туширилган оғманинг узунлиги 125 га, унинг текисликдаги проекцияси эса 35 га тенг. Оғма ва текислик орасидаги бурчакни топинг.

A) $arcsin\frac{24}{25}$ B) $arccos\frac{12}{25}$ C) $arcsin\frac{7}{25}$

D) $arctg\frac{7}{48}$

2769. 5.1-1 file-» 50 - 21 - - (182947)
Текисликка туширилган оғманинг узунлиги 75 га, унинг текисликдаги проекцияси эса 60 га тенг. Оғма ва текислик орасидаги бурчакни топинг.

A) $arccos\frac{3}{10}$ **B)** $arcsin\frac{3}{5}$ C) $arcsin\frac{4}{5}$

D) $arcsin\frac{3}{4}$

2770. 5.1-1 file-» 50 - 21 - - (182948)
Текисликка туширилган оғманинг узунлиги 75 га, унинг текисликдаги проекцияси эса 72 га тенг. Оғма ва текислик орасидаги бурчакни топинг.

A) $arcsin\frac{24}{25}$ B) $arccos\frac{7}{50}$ **C)** $arcsin\frac{7}{25}$

D) $arcsin\frac{7}{24}$

2771. 5.1-1 file-» 50 - 103 - - (205885)
Текисликка оғма ва перпендикуляр туширилган. Оғманинг текисликдаги проекцияси 11 га, перпендикулярнинг узунлиги 60 га тенг. Оғма ва перпендикуляр орасидаги бурчакни топинг.

A) $arcsin\frac{11}{61}$ B) $arccos\frac{11}{60}$ C) $arctg\frac{60}{61}$

D) $arcsin\frac{11}{60}$

2772. 5.1-1 file-» 50 - 103 - - (205886)
Текисликка оғма ва перпендикуляр туширилган. Оғманинг текисликдаги проекцияси 60 га, перпендикулярнинг узунлиги 11 га тенг. Оғма ва перпендикуляр орасидаги бурчакни топинг.

A) $arcsin\frac{60}{61}$ B) $arccos\frac{11}{60}$ C) $arctg\frac{11}{61}$

D) $arcsin\frac{11}{60}$

2773. 5.1-1 file-» 50 - 103 - - (205887)

Текисликка оғма ва перпендикуляр туширилган. Оғманинг текисликдаги проекцияси 20 га, перпендикулярнинг узунлиги 21 га тенг. Оғма ва перпендикуляр орасидаги бурчакни топинг.

A) $arcsin\dfrac{20}{29}$ B) $arccos\dfrac{20}{21}$ C) $arctg\dfrac{21}{29}$

D) $arcsin\dfrac{20}{21}$

2774. 5.1-1 file-» 50 - 103 - - (205888)

Текисликка оғма ва перпендикуляр туширилган. Оғманинг текисликдаги проекцияси 21 га, перпендикулярнинг узунлиги 20 га тенг. Оғма ва перпендикуляр орасидаги бурчакни топинг.

A) $arcsin\dfrac{21}{29}$ B) $arccos\dfrac{20}{21}$ C) $arctg\dfrac{20}{29}$

D) $arcsin\dfrac{20}{21}$

2775. 5.1-1 file-» 50 - 103 - - (205889)

Текисликка туширилган оғма ва перпендикуляр орасидаги бурчак $arcsin\dfrac{12}{13}$ га тенг. Оғманинг узунлиги 39 га тенг. Перпендикулярнинг узунлигини топинг.

A) 15   B) 36   C) $16\dfrac{1}{4}$ D) 30

2776. 5.1-1 file-» 50 - 103 - - (205890)

Текисликка туширилган оғма ва перпендикуляр орасидаги бурчак $arcsin\dfrac{5}{13}$ га тенг. Оғманинг узунлиги 39 га тенг. Перпендикулярнинг узунлигини топинг.

A) $11\dfrac{7}{13}$ B) 72   C) $27\dfrac{9}{13}$ **D)** 36

2777. 5.1-1 file-» 50 - 103 - - (205891)

Текисликка туширилган оғма ва перпендикуляр орасидаги бурчак $arcsin\dfrac{24}{25}$ га тенг. Оғманинг узунлиги 75 га тенг. Перпендикулярнинг узунлигини топинг.

A) $10\dfrac{1}{2}$ B) 72   **C)** 21   D) $21\dfrac{7}{8}$

2778. 5.1-1 file-» 50 - 103 - - (205892)

Текисликка туширилган оғма ва перпендикуляр орасидаги бурчак $arcsin\dfrac{7}{25}$ га тенг. Оғманинг узунлиги 75 га тенг. Перпендикулярнинг узунлигини топинг.

A) 36   B) 21   C) $31\dfrac{1}{2}$ **D)** 72

2779. 5.1-1 file-» 50 - 103 - - (205893)

Текисликка оғма ва перпендикуляр туширилган. Оғма ва текислик орасидаги бурчак $arccos\dfrac{3}{5}$ га, оғманинг текисликдаги проекцияси 24 га тенг. Перпендикулярнинг узунлигини топинг.

A) 32   B) $19\dfrac{1}{5}$ C) 16   D) 72

2780. 5.1-1 file-» 50 - 103 - - (205894)

Текисликка оғма ва перпендикуляр туширилган. Оғма ва текислик орасидаги бурчак $arccos\dfrac{4}{5}$ га, оғманинг текисликдаги проекцияси 36 га тенг. Перпендикулярнинг узунлигини топинг.

A) $21\dfrac{3}{5}$ **B)** 27   C) $28\dfrac{4}{5}$ D) 48

2781. 5.1-1 file-» 50 - 103 - - (205895)

Текисликка оғма ва перпендикуляр туширилган. Оғма ва текислик орасидаги бурчак $arccos 0,96$ га, оғманинг текисликдаги проекцияси 72 га тенг. Перпендикулярнинг узунлигини топинг.

A) $20\dfrac{4}{25}$ B) 42   **C)** 21   D) $10\dfrac{2}{25}$

2782. 5.1-1 file-» 50 - 103 - - (205896)

Оғма ва текислик орасидаги бурчак $arccos 0,28$ га, оғманинг текисликдаги проекцияси 21 га тенг. Перпендикулярнинг узунлигини топинг.

A) $5\dfrac{22}{25}$ B) 36   C) $20\dfrac{4}{25}$ **D)** 72

2783. 5.1-1 file-» 50 - 21 - - (315502)

Tekislikka tushirilgan og'maning uzunligi 125 ga, uning tekislikdagi proyeksiyasi esa 35 ga teng. Og'ma va tekislik orasidagi burchakni toping.

A) $arcsin\dfrac{24}{25}$ B) $arccos\dfrac{12}{25}$ C) $arcsin\dfrac{7}{25}$

D) $arctg\dfrac{7}{48}$

2784. 5.1-1 file-» 50 - 21 - - (315503)

Tekislikka tushirilgan og'maning uzunligi 75 ga, uning tekislikdagi proyeksiyasi esa 60 ga teng. Og'ma va tekislik orasidagi burchakni toping.

A) $arccos\dfrac{3}{10}$ **B)** $arcsin\dfrac{3}{5}$ C) $arcsin\dfrac{4}{5}$

D) $arcsin\dfrac{3}{4}$

2785.   5.1-1 file-» 50 - 21 - -   (315504)
Tekislikka tushirilgan og'maning uzunligi 75 ga, uning tekislikdagi proyeksiyasi esa 72 ga teng. Og'ma va tekislik orasidagi burchakni toping.

A) $arcsin\dfrac{24}{25}$ B) $arccos\dfrac{7}{50}$ **C)** $arcsin\dfrac{7}{25}$

D) $arcsin\dfrac{7}{24}$

2786.   5.1-1 file-» 50 - 103 - -   (315505)
Tekislikka og'ma va perpendikulyar tushirilgan. Og'maning tekislikdagi proyeksiyasi 11 ga, perpendikulyarning uzunligi 60 ga teng. Og'ma va perpendikulyar orasidagi burchakni toping.

A) $arcsin\dfrac{11}{61}$ B) $arccos\dfrac{11}{60}$ C) $arctg\dfrac{60}{61}$

D) $arcsin\dfrac{11}{60}$

2787.   5.1-1 file-» 50 - 103 - -   (315506)
Tekislikka og'ma va perpendikulyar tushirilgan. Og'maning tekislikdagi proyeksiyasi 60 ga, perpendikulyarning uzunligi 11 ga teng. Og'ma va perpendikulyar orasidagi burchakni toping.

A) $arcsin\dfrac{60}{61}$ B) $arccos\dfrac{11}{60}$ C) $arctg\dfrac{11}{61}$

D) $arcsin\dfrac{11}{60}$

2788.   5.1-1 file-» 50 - 103 - -   (315507)
Tekislikka og'ma va perpendikulyar tushirilgan. Og'maning tekislikdagi proyeksiyasi 20 ga, perpendikulyarning uzunligi 21 ga teng. Og'ma va perpendikulyar orasidagi burchakni toping.

A) $arcsin\dfrac{20}{29}$ B) $arccos\dfrac{20}{21}$ C) $arctg\dfrac{21}{29}$

D) $arcsin\dfrac{20}{21}$

2789.   5.1-1 file-» 50 - 103 - -   (315508)
Tekislikka og'ma va perpendikulyar tushirilgan. Og'maning tekislikdagi proyeksiyasi 21 ga, perpendikulyarning uzunligi 20 ga teng. Og'ma va perpendikulyar orasidagi burchakni toping.

A) $arcsin\dfrac{21}{29}$ B) $arccos\dfrac{20}{21}$ C) $arctg\dfrac{20}{29}$

D) $arcsin\dfrac{20}{21}$

2790.   5.1-1 file-» 50 - 103 - -   (315509)
Tekislikka tushirilgan og'ma va perpendikulyar orasidagi burchak $arcsin\dfrac{12}{13}$ ga teng. Og'maning uzunligi 39 ga teng. Perpendikulyarning uzunligini toping.

A) 15   B) 36   C) $16\dfrac{1}{4}$ D) 30

2791.   5.1-1 file-» 50 - 103 - -   (315510)
Tekislikka tushirilgan og'ma va perpendikulyar orasidagi burchak $arcsin\dfrac{5}{13}$ ga teng. Og'maning uzunligi 39 ga teng. Perpendikulyarning uzunligini toping.

A) $11\dfrac{7}{13}$ B) 72   C) $27\dfrac{9}{13}$ **D)** 36

2792.   5.1-1 file-» 50 - 103 - -   (315511)
Tekislikka tushirilgan og'ma va perpendikulyar orasidagi burchak $arcsin\dfrac{24}{25}$ ga teng. Og'maning uzunligi 75 ga teng. Perpendikulyarning uzunligini toping.

A) $10\dfrac{1}{2}$ B) 72   **C)** 21   D) $21\dfrac{7}{8}$

2793.   5.1-1 file-» 50 - 103 - -   (315512)
Tekislikka tushirilgan og'ma va perpendikulyar orasidagi burchak $arcsin\dfrac{7}{25}$ ga teng. Og'maning uzunligi 75 ga teng. Perpendikulyarning uzunligini toping.

A) 36   B) 21   C) $31\dfrac{1}{2}$ **D)** 72

2794.   5.1-1 file-» 50 - 103 - -   (315513)
Tekislikka og'ma va perpendikulyar tushirilgan. Og'ma va tekislik orasidagi burchak $arccos\dfrac{3}{5}$ ga, og'maning tekislikdagi proyeksiyasi 24 ga teng. Perpendikulyarning uzunligini toping.

A) 32   B) $19\dfrac{1}{5}$ C) 16   D) 72

2795.   5.1-1 file-» 50 - 103 - -   (315514)
Tekislikka og'ma va perpendikulyar tushirilgan. Og'ma va tekislik orasidagi burchak $arccos\dfrac{4}{5}$ ga, og'maning tekislikdagi proyeksiyasi 36 ga teng. Perpendikulyarning uzunligini toping.

A) $21\dfrac{3}{5}$ **B)** 27   C) $28\dfrac{4}{5}$ D) 48

2796.   5.1-1 file-» 50 - 103 - -   (315515)
Tekislikka og'ma va perpendikulyar tushirilgan. Og'ma va tekislik orasidagi burchak $arccos\,0,96$ ga, og'maning tekislikdagi proyeksiyasi 72 ga teng. Perpendikulyarning uzunligini toping.

A) $20\dfrac{4}{25}$ B) 42   **C)** 21   D) $10\dfrac{2}{25}$

2797. 5.1-1 file-» 50 - 103 - - (315516)
Og'ma va tekislik orasidagi burchak $arccos 0,28$ ga, og'maning tekislikdagi proyeksiyasi 21 ga teng. Perpendikulyarning uzunligini toping.

A) $5\dfrac{22}{25}$ B) 36   C) $20\dfrac{4}{25}$ **D) 72**

2798. 5.1-1 file-» 50 - 103 - - (704624)
Tekislikka og'ma va perpendikular tushirilgan. Og'maning tekislikdagi proyeksiyasi 11 ga, perpendikularning uzunligi 60 ga teng. Og'ma va perpendikular orasidagi burchakni toping.

A) $arcsin\dfrac{11}{61}$ B) $arccos\dfrac{11}{60}$ C) $arctg\dfrac{60}{61}$

D) $arcsin\dfrac{11}{60}$

2799. 5.1-1 file-» 50 - 103 - - (704625)
Tekislikka og'ma va perpendikular tushirilgan. Og'maning tekislikdagi proyeksiyasi 60 ga, perpendikularning uzunligi 11 ga teng. Og'ma va perpendikular orasidagi burchakni toping.

A) $arcsin\dfrac{60}{61}$ B) $arccos\dfrac{11}{60}$ C) $arctg\dfrac{11}{61}$

D) $arcsin\dfrac{11}{60}$

2800. 5.1-1 file-» 50 - 103 - - (704626)
Tekislikka og'ma va perpendikular tushirilgan. Og'maning tekislikdagi proyeksiyasi 20 ga, perpendikularning uzunligi 21 ga teng. Og'ma va perpendikular orasidagi burchakni toping.

A) $arcsin\dfrac{20}{29}$ B) $arccos\dfrac{20}{21}$ C) $arctg\dfrac{21}{29}$

D) $arcsin\dfrac{20}{21}$

2801. 5.1-1 file-» 50 - 103 - - (704627)
Tekislikka og'ma va perpendikular tushirilgan. Og'maning tekislikdagi proyeksiyasi 21 ga, perpendikularning uzunligi 20 ga teng. Og'ma va perpendikular orasidagi burchakni toping.

A) $arcsin\dfrac{21}{29}$ B) $arccos\dfrac{20}{21}$ C) $arctg\dfrac{20}{29}$

D) $arcsin\dfrac{20}{21}$

2802. 5.1-1 file-» 50 - 103 - - (704628)
Tekislikka tushirilgan og'ma va perpendikular orasidagi burchak $arcsin\dfrac{12}{13}$ ga teng. Og'maning uzunligi 39 ga teng. Perpendikularning uzunligini toping.

A) 15   B) 36   C) $16\dfrac{1}{4}$ D) 30

2803. 5.1-1 file-» 50 - 103 - - (704629)
Tekislikka tushirilgan og'ma va perpendikular orasidagi burchak $arcsin\dfrac{5}{13}$ ga teng. Og'maning uzunligi 39 ga teng. Perpendikularning uzunligini toping.

A) $11\dfrac{7}{13}$ B) 72   C) $27\dfrac{9}{13}$ **D) 36**

2804. 5.1-1 file-» 50 - 103 - - (704630)
Tekislikka tushirilgan og'ma va perpendikular orasidagi burchak $arcsin\dfrac{24}{25}$ ga teng. Og'maning uzunligi 75 ga teng. Perpendikularning uzunligini toping.

A) $10\dfrac{1}{2}$ B) 72   **C) 21**   D) $21\dfrac{7}{8}$

2805. 5.1-1 file-» 50 - 103 - - (704631)
Tekislikka tushirilgan og'ma va perpendikular orasidagi burchak $arcsin\dfrac{7}{25}$ ga teng. Og'maning uzunligi 75 ga teng. Perpendikularning uzunligini toping.

A) 36   B) 21   C) $31\dfrac{1}{2}$ **D) 72**

2806. 5.1-1 file-» 50 - 103 - - (704632)
Tekislikka og'ma va perpendikular tushirilgan. Og'ma va tekislik orasidagi burchak $arccos\dfrac{3}{5}$ ga, og'maning tekislikdagi proyeksiyasi 24 ga teng. Perpendikularning uzunligini toping.

A) 32   B) $19\dfrac{1}{5}$ C) 16   D) 72

2807. 5.1-1 file-» 50 - 103 - - (704633)
Tekislikka og'ma va perpendikular tushirilgan. Og'ma va tekislik orasidagi burchak $arccos\dfrac{4}{5}$ ga, og'maning tekislikdagi proyeksiyasi 36 ga teng. Perpendikularning uzunligini toping.

A) $21\dfrac{3}{5}$ **B) 27**   C) $28\dfrac{4}{5}$ D) 48

2808. 5.1-1 file-» 50 - 103 - - (704634)
Tekislikka og'ma va perpendikular tushirilgan. Og'ma va tekislik orasidagi burchak $arccos 0,96$ ga, og'maning tekislikdagi proyeksiyasi 72 ga teng. Perpendikularning uzunligini toping.

A) $20\dfrac{4}{25}$ B) 42   **C) 21**   D) $10\dfrac{2}{25}$

2809.　　5.1-1 file-» 50 - 103 - -　　　　(704635)
Og'ma va tekislik orasidagi burchak
$arccos 0,28$ ga, og'maning tekislikdagi
proyeksiyasi 21 ga teng. Perpendikularning
uzunligini toping.

A) $5\dfrac{22}{25}$　B) 36　C) $20\dfrac{4}{25}$　**D)** 72

2810.　　5.1-1 file-» 50 - 103 - -　　　　(704636)
Tekislikka tushirilgan og'maning uzunligi 75 ga,
uning tekislikdagi proyeksiyasi esa 72 ga teng.
Og'ma va tekislik orasidagi burchakni toping.

A) $arcsin\dfrac{24}{25}$　B) $arccos\dfrac{12}{25}$　**C)** $arcsin\dfrac{7}{25}$

D) $arctg\dfrac{7}{48}$

2811.　　5.1-1 file-» 50 - 103 - -　　　　(704637)
Tekislikka tushirilgan og'maning uzunligi 45 ga,
uning tekislikdagi proyeksiyasi esa 27 ga teng.
Og'ma va tekislik orasidagi burchakni toping.

A) $arccos\dfrac{3}{10}$　B) $arcsin\dfrac{3}{5}$　**C)** $arcsin\dfrac{4}{5}$

D) $arcsin\dfrac{3}{4}$

2812.　　5.1-1 file-» 50 - 103 - -　　　　(704638)
Tekislikka tushirilgan og'maning uzunligi 50 ga,
uning tekislikdagi proyeksiyasi esa 14 ga teng.
Og'ma va tekislik orasidagi burchakni toping.

A) $arcsin\dfrac{24}{25}$　B) $arccos\dfrac{7}{50}$　C) $arcsin\dfrac{7}{25}$

D) $arcsin\dfrac{7}{24}$

2813.　　5.1-1 file-» 50 - 21 - -　　　　(719632)
Tekislikka og'ma va perpendikular tushirilgan.
Og'maning tekislikdagi proyeksiyasi 11 ga,
perpendikularning uzunligi 60 ga teng. Og'ma va
perpendikular orasidagi burchakni toping.

A) $arcsin\dfrac{11}{61}$　B) $arccos\dfrac{22}{61}$　C) $arcsin\dfrac{60}{61}$

D) $arcctg\dfrac{11}{60}$

2814.　　5.1-1 file-» 50 - 21 - -　　　　(719633)
Tekislikka og'ma va perpendikular tushirilgan.
Og'maning tekislikdagi proyeksiyasi 12 ga,
perpendikularning uzunligi 35 ga teng. Og'ma va
perpendikular orasidagi burchakni toping.

A) $arccos\dfrac{24}{37}$　**B)** $arcsin\dfrac{12}{37}$　C) $arcsin\dfrac{35}{37}$

D) $arctg\dfrac{35}{12}$

2815.　　5.1-1 file-» 50 - 21 - -　　　　(719634)
Tekislikka og'ma va perpendikular tushirilgan.
Og'maning tekislikdagi proyeksiyasi 63 ga,
perpendikularning uzunligi 16 ga teng. Og'ma va
perpendikular orasidagi burchakni toping.

A) $arcsin\dfrac{16}{65}$　B) $arccos\dfrac{32}{65}$　**C)** $arcsin\dfrac{63}{65}$

D) $arctg\dfrac{63}{65}$

2816.　　5.1-1 file-» 50 - 21 - -　　　　(719635)
Tekislikka og'ma va perpendikular tushirilgan.
Og'maning tekislikdagi proyeksiyasi 45 ga,
perpendikularning uzunligi 28 ga teng. Og'ma va
perpendikular orasidagi burchakni toping.

A) $arcsin\dfrac{28}{53}$　B) $arccos\dfrac{14}{53}$　C) $arcctg\dfrac{45}{28}$

D) $arcsin\dfrac{45}{53}$

2817.　　5.1-1 file-» 50 - 21 - -　　　　(719636)
Tekislikka tushirilgan og'ma va perpendikular
orasidagi burchak $arcsin\dfrac{11}{61}$ ga teng. Og'maning
uzunligi 122 ga teng. Perpendikularning
uzunligini toping.

A) 120　B) 22　C) 90　D) 24

2818.　　5.1-1 file-» 50 - 21 - -　　　　(719637)
Tekislikka tushirilgan og'ma va perpendikular
orasidagi burchak $arcsin\dfrac{12}{37}$ ga teng. Og'maning
uzunligi 74 ga teng. Perpendikularning
uzunligini toping.

A) 24　**B)** 70　C) 48　D) 54

2819.　　5.1-1 file-» 50 - 21 - -　　　　(719638)
Tekislikka tushirilgan og'ma va perpendikular
orasidagi burchak $arcsin\dfrac{16}{65}$ ga teng. Og'maning
uzunligi 130 ga teng. Perpendikularning
uzunligini toping.

A) 64　B) 96　**C)** 126　D) 32

2820.　　5.1-1 file-» 50 - 21 - -　　　　(719639)
Tekislikka tushirilgan og'ma va perpendikular
orasidagi burchak $arcsin\dfrac{20}{29}$ ga teng. Og'maning
uzunligi 58 ga teng. Perpendikularning
uzunligini toping.

A) 40　B) 80　C) 33　**D)** 42

2821.　　5.1-1 file-» 50 - 21 - -　　　　(719640)
Tekislikka og'ma va perpendikular tushirilgan.
Og'ma va tekislik orasidagi burchak $arccos\dfrac{7}{25}$ ga,
og'maning tekislikdagi proyeksiyasi 14 ga teng.
Perpendikularning uzunligini toping.

A) 48　B) 14　C) 36　D) 28

2822.   5.1-1 file-» 50 - 21 - -   (719641)
Tekislikka og'ma va perpendikular tushirilgan.
Og'ma va tekislik orasidagi burchak $arccos\dfrac{15}{17}$ ga,
og'maning tekislikdagi proyeksiyasi 30 ga teng.
Perpendikularning uzunligini toping.

A) 30   **B)** 16   C) 23   D) 32

2823.   5.1-1 file-» 50 - 21 - -   (719642)
Tekislikka og'ma va perpendikular tushirilgan.
Og'ma va tekislik orasidagi burchak $arccos\dfrac{40}{41}$ ga,
og'maning tekislikdagi proyeksiyasi 80 ga teng.
Perpendikularning uzunligini toping.

A) 40   B) 36   **C)** 18   D) 30

2824.   5.1-1 file-» 50 - 21 - -   (719643)
Tekislikka og'ma va perpendikular tushirilgan.
Og'ma va tekislik orasidagi burchak $arccos\dfrac{60}{61}$ ga,
og'maning tekislikdagi proyeksiyasi 120 ga teng.
Perpendikularning uzunligini toping.

A) $\dfrac{49}{25}$ B) 12   C) $\dfrac{168}{25}$ **D)** 22

2825.   5.1-1 file-» 50 - 21 - -   (719644)
Tekislikka tushirilgan og'maning uzunligi 125 ga,
uning tekislikdagi proyeksiyasi esa 35 ga teng.
Og'ma va tekislik orasidagi burchakni toping.

A) $arcsin\dfrac{24}{25}$ B) $arccos\dfrac{12}{25}$ C) $arcsin\dfrac{7}{25}$

D) $arctg\dfrac{7}{48}$

2826.   5.1-1 file-» 50 - 21 - -   (719645)
Tekislikka tushirilgan og'maning uzunligi 75 ga,
uning tekislikdagi proyeksiyasi esa 60 ga teng.
Og'ma va tekislik orasidagi burchakni toping.

A) $arccos\dfrac{3}{10}$ **B)** $arcsin\dfrac{3}{5}$ C) $arcsin\dfrac{4}{5}$

D) $arcsin\dfrac{3}{4}$

2827.   5.1-1 file-» 50 - 21 - -   (719646)
Tekislikka tushirilgan og'maning uzunligi 75 ga,
uning tekislikdagi proyeksiyasi esa 72 ga teng.
Og'ma va tekislik orasidagi burchakni toping.

A) $arcsin\dfrac{24}{25}$ B) $arccos\dfrac{7}{50}$ **C)** $arcsin\dfrac{7}{25}$

D) $arcsin\dfrac{7}{24}$

2828.   5.2-1 file-» 6 - 3 - -   (14044)
Oxz текислигига нисбатан (1; 2; 3) нуқтага
симметрик бўлган нуқтани топинг.

A) $(-1; 2; 3)$ B) $(-1; -2; 3)$ C) $(1; 2; -3)$
D) $(1; -2; 3)$

2829.   5.2-1 file-» 6 - 4 - -   (14096)
Oxy текислигига нисбатан (1;2;3) нуқтага
симметрик бўлган нуқтани топинг.

A) $(-1; 2; 3)$ B) $(-1; -2; 3)$ **C)** $(1; 2; -3)$
D) $(1; -2; 3)$

2830.   5.2-1 file-» 6 - 5 - -   (14148)
Oyz текислигига нисбатан (1;2;3) нуқтага
симметрик бўлган нуқтани топинг.

A) $(-1; 2; 3)$ B) $(-1; -2; 3)$ C) $(1; 2; -3)$
D) $(1; -2; 3)$

2831.   5.2-1 file-» 6 - 6 - -   (14199)
Координаталар бошига нисбатан (1;2;3)
нуқтага симметрик бўлган нуқтани топинг.

A) $(-1; 2; 3)$ **B)** $(-1; -2; -3)$ C) $(1; 2; -3)$
D) $(1; -2; 3)$

2832.   5.2-1 file-» 22 - 13 - -   (36327)
Қуйидагилардан қайси бири Oyz текисликка
нисбатан $P(3; -2; 4)$ нуқтага симметрик
бўлган нуқта?

A) $(3; 2; 4)$ B) $(3; 2; -4)$ C) $(-3; 2; -4)$
D) $(-3; -2; 4)$

2833.   5.2-1 file-» 22 - 14 - -   (36376)
Қуйидагилардан қайси бири Oxz текисликка
нисбатан $K(2; 4; -5)$ нуқтага симметрик
бўлган нуқта?

A) $(-2; 4; 5)$ B) $(2; -4; 5)$ **C)** $(2; -4; -5)$
D) $(-2; -4; 5)$

2834.   5.2-1 file-» 22 - 15 - -   (36426)
Қуйидагилардан қайси бири Oxy текисликка
нисбатан $M(7; -3; 1)$ нуқтага симметрик
бўлган нуқта?

A) $(-7; 3; 1)$ B) $(-7; 3; -1)$ C) $(7; 3; -1)$
D) $(7; -3; -1)$

2835.   5.2-1 file-» 6 - 7 - -   (56451)
Агар кесманинг бир учи $A(1; -5; 4)$, ўртаси
$C(4; -2; 3)$ нуқтада бўлса, иккинчи учининг
координаталари қандай бўлади?

A) $(6; 5; 3)$ B) $(7; -1; 2)$ **C)** $(7; 1; 2)$
D) $(5; 4; 6)$

2836.   5.2-1 file-» 23 - 5 - -   (57126)
Қуйидаги нуқталардан қайси бири Oyz
текисликда ётади?

A) $(2; -3; 0)$ B) $(2; 0; -5)$ C) $(1; 0; -4)$
D) $(0; 9; -7)$

2837.   5.2-1 file-» 23 - 6 - -   (57182)
Қуйидаги нуқталардан қайси бири Oxz
текисликда ётади?

A) $(-4; 3; 0)$ B) $(0; -7; 0)$ **C)** $(2; 0; -8)$
D) $(2; -4; 6)$

2838. 5.2-1 file-» 6 - 3 - - (315517)
Oxz tekisligiga nisbatan $(1; 2; 3)$ nuqtaga simmetrik bo'lgan nuqtani toping.
A) $(-1; 2; 3)$ B) $(-1; -2; 3)$ C) $(1; 2; -3)$
D) $(1; -2; 3)$

2839. 5.2-1 file-» 6 - 4 - - (315518)
Oxy tekisligiga nisbatan $(1; 2; 3)$ nuqtaga simmetrik bo'lgan nuqtani toping.
A) $(-1; 2; 3)$ B) $(-1; -2; 3)$ **C)** $(1; 2; -3)$
D) $(1; -2; 3)$

2840. 5.2-1 file-» 6 - 5 - - (315519)
Oyz tekisligiga nisbatan $(1; 2; 3)$ nuqtaga simmetrik bo'lgan nuqtani toping.
A) $(-1; 2; 3)$ B) $(-1; -2; 3)$ C) $(1; 2; -3)$
D) $(1; -2; 3)$

2841. 5.2-1 file-» 6 - 6 - - (315520)
Koordinatalar boshiga nisbatan $(1; 2; 3)$ nuqtaga simmetrik bo'lgan nuqtani toping.
A) $(-1; 2; 3)$ **B)** $(-1; -2; -3)$ C) $(1; 2; -3)$
D) $(1; -2; 3)$

2842. 5.2-1 file-» 22 - 13 - - (315521)
Quyidagilardan qaysi biri Oyz tekislikka nisbatan $P(3; -2; 4)$ nuqtaga simmetrik bo'lgan nuqta?
A) $(3; 2; 4)$ B) $(3; 2; -4)$
C) $(-3; 2; -4)$ **D)** $(-3; -2; 4)$

2843. 5.2-1 file-» 22 - 14 - - (315522)
Quyidagilardan qaysi biri Oxz tekislikka nisbatan $K(2; 4; -5)$ nuqtaga simmetrik bo'lgan nuqta?
A) $(-2; 4; 5)$ B) $(2; -4; 5)$ **C)** $(2; -4; -5)$
D) $(-2; -4; 5)$

2844. 5.2-1 file-» 22 - 15 - - (315523)
Quyidagilardan qaysi biri Oxy tekislikka nisbatan $M(7; -3; 1)$ nuqtaga simmetrik bo'lgan nuqta?
A) $(-7; 3; 1)$ B) $(-7; 3; -1)$
C) $(7; 3; -1)$ **D)** $(7; -3; -1)$

2845. 5.2-1 file-» 6 - 7 - - (315524)
Agar kesmaning bir uchi $A(1; -5; 4)$, o'rtasi $C(4; -2; 3)$ nuqtada bo'lsa, ikkinchi uchining koordinatalari qanday bo'ladi?
A) $(6; 5; 3)$ B) $(7; -1; 2)$ **C)** $(7; 1; 2)$
D) $(5; 4; 6)$

2846. 5.2-1 file-» 23 - 5 - - (315525)
Quyidagi nuqtalardan qaysi biri Oyz tekislikda yotadi?
A) $(2; -3; 0)$ B) $(2; 0; -5)$ C) $(1; 0; -4)$
D) $(0; 9; -7)$

2847. 5.2-1 file-» 23 - 6 - - (315526)
Quyidagi nuqtalardan qaysi biri Oxz tekislikda yotadi?
A) $(-4; 3; 0)$ B) $(0; -7; 0)$ **C)** $(2; 0; -8)$
D) $(2; -4; 6)$

2848. 5.2-1 file-» 6 - 4 - - (402081)
$A(0; y; 0)$ nuqta $B(1; 2; 3)$ va $C(-1; 3; 4)$ nuqtalardan teng uzoqlikdaligi ma'lum bo'lsa, y ni toping.
A) 6 B) 5 C) -5 D) 7

2849. 5.2-1 file-» 6 - 5 - - (402082)
$A(0; y; 0)$ nuqta $B(0; 2; 2)$ va $C(3; 3; 2)$ nuqtalardan baravar uzoqlikdaligi ma'lum bo'lsa, y ni toping.
A) 1 B) $1,5$ **C)** 7 D) 2

2850. 5.2-1 file-» 5 - 7 - - (402083)
n ning qanday qiymatida $\vec{a}(n; -2; 1)$ va $\vec{b}(n; 3n; 8)$ vektorlar perpendikular bo'ladi?
A) 3 B) 1 C) 2 **D)** $4; 2$

2851. 5.2-1 file-» 22 - 11 - - (402084)
Agar $\vec{a}(-1; 2; 8)$ va $\vec{b}(3; -2; 15)$ bo'lsa, $\vec{m} = \vec{b} - \vec{a}$ vektorning uzunligini toping.
A) 9 B) $9\sqrt{2}$ C) 6 D) 12

2852. 5.2-1 file-» 22 - 12 - - (402085)
Agar $\vec{a}(2; 0; -2)$ va $\vec{b}(1; -2; 4,5)$ bo'lsa, $\vec{n} = \vec{a} + 2\vec{b}$ vektorning uzunligini toping.
A) 9 B) $6\sqrt{2}$ C) 8 D) 13

2853. 5.2-1 file-» 22 - 1 - - (402086)
Agar $\vec{a}(6; 2; 1)$ va $\vec{b}(0; -1; 2 + 2\sqrt{14})$ bo'lsa, $\vec{c} = 2\vec{a} - \vec{b}$ vektorning uzunligini toping.
A) 13 B) 14 **C)** 15 D) $6\sqrt{2}$

2854. 5.2-1 file-» 6 - 3 - - (402087)
$A(x; 0; 0)$ nuqta $B(1; 2; 3)$ va $C(-1; 3; 6)$ nuqtalardan teng uzoqlikdaligi ma'lum bo'lsa, x ni toping.
A) -1 B) -2 **C)** -8 D) 3

2855. 5.2-1 file-» 15 - 1 - - (402088)
x ning qanday qiymatida $M(x; 0; 0)$ nuqta $M_1(1; 2; -\sqrt{3})$ va $M_2(-2; 1; 0)$ nuqtalardan baravar uzoqlashgan?
A) 0 **B)** $0,5$ C) -2 D) -1

2856. 5.2-1 file-» 15 - 1 - - (402089)
n ning qanday qiymatlarida $\vec{a}(n; -2; 1)$ va $\vec{b}(n; 1; -3n + 2)$ vektorlar perpendikular bo'ladi?
A) $0; 3$ B) -2 C) 2 D) -1

2857. 5.2-1 file-» 15 - 2 - - (402090)
Oz o'qida shunday M nuqtani topingki, undan
A(2; −3; 1) nuqtagacha bo'lgan masofa $\sqrt{77}$ ga
teng bo'lsin.

A) $M_1(0;\ 0;\ 9)$ va $M_2(0;\ 0;\ -7)$
B) $M(0;\ 0;\ 7)$ C) $M(0;\ 0;\ -5)$
D) $M_1(0;\ 0;\ -2)$ va $M_2(0;\ 0;\ 6)$

2858. 5.2-1 file-» 22 - 21 - - 4 (402091)
Uchlari $A(4;\ 5;\ 1)$, $B(2;\ 3;\ 0)$ va $C(2;\ -1;\ -3)$
nuqtalarda joylashgan uchburchakning BD
medianasi uzunligini toping.

A) 1   B) $\sqrt{2}$ **C)** $\sqrt{3}$ D) 2

2859. 5.2-1 file-» 2 - 5 - - 5 (402092)
$A(2;\ -1;\ 0)$ va $B(0;\ 3;\ 2)$ nuqtalar berilgan.
Koordinata boshidan AB kesmaning o'rtasigacha
bo'lgan masofani toping.

A) $\sqrt{2}$ **B)** $\sqrt{3}$ C) $2\sqrt{2}$ D) 2

2860. 5.2-1 file-» 5 - 13 - - 9 (402093)
$A(-3;\ 8;\ 3\sqrt{33})$ nuqtadan Ox o'qqacha bo'lgan
masofani toping.

A) 17   B) 18   **C)** 19   D) 21

2861. 5.2-1 file-» 23 - 18 - - 7 (402094)
$\vec{AB}(-3;0;2)$ va $\vec{AC}(9;6;-2)$ vektorlar ABC
uchburchakning tomonlaridir. Shu
uchburchakning AN medianasi uzunligini toping.

A) $\dfrac{3}{\sqrt{2}}$ B) $1,5$ C) $3\sqrt{6}$ **D)** $3\sqrt{2}$

2862. 5.2-1 file-» 19 - 8 - - 6 (402095)
$\vec{AB}(-3;\ 1;\ 4)$, $\vec{BC}(-2;\ 3;\ -7)$ va $\vec{CD}(5;\ -1;\ 4)$
lar ABCD to'rtburchakning tomonlari bo'lsa, shu
to'rtburchakning diagonallaridan iborat vektorlar
skalyar ko'paytmasining modulini toping.

A) 5   B) 9   C) 12   **D)** 2

2863. 5.2-1 file-» 16 - 1 - - (402096)
$\vec{a}(-2;1;4)$ vektor va M$(2; -\dfrac{23}{21}; -\dfrac{19}{3})$ nuqta
berilgan. Agar $2\vec{a} + 3\vec{NM} = 0$ bo'lsa, N
nuqtaning koordinatalarini toping.

A) $-\dfrac{1}{3}; \dfrac{2}{3}; \dfrac{5}{3}$ B) $\dfrac{2}{3}; -\dfrac{7}{3}; -\dfrac{11}{3}$
C) $\dfrac{2}{3}; -\dfrac{3}{7}; -\dfrac{11}{3}$ D) $\dfrac{7}{3}; -\dfrac{2}{3}; -\dfrac{11}{3}$

2864. 5.2-1 file-» 19 - 1 - - 3 (402097)
$\vec{a} = 2\vec{i} + \vec{j}$ va $\vec{b} = -2\vec{j} + 2\vec{k}$ vektorlarda yasalgan
parallelogrammning diagonallari orasidagi
burchakni toping.

A) $arccos\dfrac{1}{\sqrt{21}}$ B) $\dfrac{\pi}{6}$ **C)** $arccos\dfrac{1}{\sqrt{17}}$
D) $\dfrac{\pi}{2}$

2865. 5.2-1 file-» 16 - 3 - - 5 (402098)
$\vec{a} = \{1; 2; 1\}$; $\vec{b} = \{2; -1; 0\}$; α-$\vec{a} + \vec{b}$ va $\vec{a} - \vec{b}$
vektorlar orasidagi burchak. $ctg^2\alpha$ ni hisoblang.

A) $\dfrac{1}{5}$ B) $\dfrac{1}{25}$ C) $\dfrac{1}{60}$ **D)** $\dfrac{1}{120}$

2866. 5.2-1 file-» 22 - 19 - - 4 (402099)
Uchburchakning uchlari $A(3; -2; 1)$, $B(2; 1; 3)$ va
$C(1; 2; 5)$ nuqtalarda joylashgan. Shu
uchburchakning BD medianasi va AC asosi
orasidagi burchakni toping.

A) $arccos\dfrac{1}{3}$ B) $60°$ C) $45°$ **D)** $arccos\dfrac{2}{3}$

2867. 5.2-1 file-» 16 - 4 - - 11 (402100)
α- $\vec{x} = 2\vec{i} + 5\vec{j} - \vec{k}$ va $\vec{y} = \vec{i} - \vec{j} - 3\vec{k}$ vektorlar
orasidagi burchak. $cos^2\dfrac{\alpha}{2}$ ning qiymatini
hisoblang.

A) 0   **B)** $\dfrac{1}{2}$ C) 1   D) $\dfrac{3}{2}$

2868. 5.2-1 file-» 2 - 3 - - 2 (402101)
$\vec{i}, \vec{j}$ va $\vec{k}$ - koordinata o'qlari bo'ylab yo'nalgan
birlik vektorlar va $\vec{a} = 5\vec{i} + \sqrt{2}\vec{j} - 3\vec{k}$ bo'lsa, $\vec{a}$ va
$\vec{i}$ vektorlar orasidagi burchakning kosinusini
toping.

A) $\dfrac{5}{6}$ B) $\dfrac{2}{3}$ C) $\dfrac{3}{4}$ D) $\dfrac{1}{2}$

2869. 5.2-1 file-» 19 - 3 - - 9 (402102)
Agar $|\vec{a}| = 2$, $|\vec{b}| = 4$ va $\vec{a}$ va $\vec{b}$ vektorlar orasidagi
burchak $\dfrac{\pi}{3}$ ga teng bo'lsa, $3\vec{a} - 2\vec{b}$ va $5\vec{a} - 6\vec{b}$
vektorlarning skalyar ko'paytmasini toping.

A) 140   B) 264   C) $252 - 56\sqrt{3}$
D) $252 + 56\sqrt{3}$

2870. 5.2-1 file-» 19 - 6 - - 8 (402103)
Agar $A(-5;\ 2;\ 8)$, $\vec{AB}(-3;\ 4;\ 1)$ va
$\vec{BD}(-2;\ 4;\ 1)$ bo'lsa, $ABCD$ parallelogramm C
uchining koordinatlari yig'indisini toping.

A) 8   B) 10   C) 11   **D)** 12

2871. 5.2-1 file-» 16 - 12 - - 9 (402105)
Uchlari M$(-3;\ 3;\ 1)$; N$(3;\ -5;\ 1)$ va E$(-4;\ -1;$
$-2)$ nuqtalarda bo'lgan uchburchakning MN
tomoni va EF medianasi orasidagi burchakni
toping.

A) $45°$ B) $arccos\ 0,64$ C) $60°$
D) $arccos\ 0,48$

2872. 5.2-1 file-» 2 - 45 - - 4 (402106)
Uchlari A(3; −2; 1), B(3; 0; 2) va C(1; 2; 5)
nuqtalarda bo'lgan uchburchakning
BD medianasi va AC tomoni orasidagi
burchakning kattaligini toping.

A) 45°   B) 30°   C) 60°   D) arccos $\dfrac{\sqrt{2}}{3}$

2873. 5.2-1 file-» 2 - 45 - - 4 (402107)
Uchburchakli piramidaning uchlari A(3; 0; 1),
B(−1; 4; 1), C(5; 2; 3) va D(0; −5; 4) nuqtalarda
joylashgan. *O*-nuqta BCD uchburchak
medianalarining kesishgan nuqtasi. $\vec{AO}$
vektorning uzunligini aniqlang.

A) $\dfrac{\sqrt{51}}{3}$ B) $\dfrac{7}{3}$ C) $\dfrac{\sqrt{53}}{3}$ D) $5\sqrt{2}$

2874. 5.2-1 file-» 32 - 1 - - (402108)
xOy tekisligida yotgan $\vec{b}$ vektor $\vec{a}(2; -4; 5)$
vektorga perpendikular. Agar $|\vec{b}| = 4\sqrt{5}$ bo'lsa,
uning absissasi va ordinatasi ko'paytmasini
toping.

A) 8   B) 16   **C)** 32   D) 36

2875. 5.2-1 file-» 32 - 1 - - (402109)
$\vec{a}(x; 1; -1)$ va $\vec{b}(1; 0; 1)$ vektorlar berilgan.
x ning qanday qiymatida $(\vec{a} + 3\vec{b})^2 = (\vec{a} - 2\vec{b})^2$
tenglik o'rinli bo'ladi?

A) 1   **B)** 0   C) $-\dfrac{1}{2}$ D) −1

2876. 5.2-1 file-» 55 - 1 - - (402110)
$A(2; -1; 4)$, $B(6; 1; 3)$ va $C(5; 1; 0)$ nuqtalar
berilgan. Oy o'qda shunday D nuqta topingki,
$\vec{AC} \perp \vec{BD}$ bo'lsin.
A) (0; 4; 0)   B) (0; 6; 0)   C) (2; 0; 1)
D) (3; 0; −2)

2877. 5.2-2 file-» 6 - 3 - - 1 (719647)
$A(x; 0; 0)$ nuqta $B(1; 2; 3)$ va $C(-1; 3; 6)$
nuqtalardan teng uzoqlikdaligi ma'lum bo'lsa, x
ni toping.
A) −1   B) −2   **C)** −8   D) 3

2878. 5.2-2 file-» 6 - 4 - - 1 (719648)
$A(0; y; 0)$ nuqta $B(1; 2; 3)$ va $C(-1; 3; 4)$
nuqtalardan teng uzoqlikdaligi ma'lum bo'lsa, y
ni toping.
A) 6   B) 5   C) −5   D) 7

2879. 5.2-2 file-» 6 - 5 - - 1 (719649)
$A(0; y; 0)$ nuqta $B(0; 2; 2)$ va $C(3; 3; 2)$
nuqtalardan baravar uzoqlikdaligi ma'lum bo'lsa,
y ni toping.
A) 1   B) 1,5   **C)** 7   D) 2

2880. 5.2-2 file-» 5 - 7 - - 1 (719652)
n ning qanday qiymatida $\vec{a}(n; -2; 1)$ va
$\vec{b}(n; 3n; 8)$ vektorlar perpendikular bo'ladi?
A) 3   B) 1   C) 2   **D)** 4; 2

2881. 5.2-2 file-» 22 - 11 - - 1 (719653)
Agar $\vec{a}(-1; 2; 8)$ va $\vec{b}(3; -2; 15)$ bo'lsa,
$\vec{m} = \vec{b} - \vec{a}$ vektorning uzunligini toping.
A) 9   B) $9\sqrt{2}$ C) 6   D) 12

2882. 5.2-2 file-» 22 - 12 - - 1 (719654)
Agar $\vec{a}(2; 0; -2)$ va $\vec{b}(1; -2; 4,5)$ bo'lsa,
$\vec{n} = \vec{a} + 2\vec{b}$ vektorning uzunligini toping.
A) 9   B) $6\sqrt{2}$ C) 8   D) 13

2883. 5.2-2 file-» 22 - 1 - - 1 (719655)
Agar $\vec{a}(6; 2; 1)$ va $\vec{b}(0; -1; 2 + 2\sqrt{14})$ bo'lsa,
$\vec{c} = 2\vec{a} - \vec{b}$ vektorning uzunligini toping.
A) 13   B) 14   **C)** 15   D) $6\sqrt{2}$

2884. 5.2-2 file-» 15 - 1 - - 1 (719656)
x ning qanday qiymatida $M(x; 0; 0)$ nuqta
$M_1(1; 2; -\sqrt{3})$ va $M_2(-2; 1; 0)$ nuqtalardan
baravar uzoqlashgan?
A) 0   **B)** 0, 5   C) −2   D) −1

2885. 5.2-2 file-» 15 - 1 - - 1 (719657)
n ning qanday qiymatlarida $\vec{a}(n; -2; 1)$ va
$\vec{b}(n; 1; -3n + 2)$ vektorlar perpendikular bo'ladi?
A) 0; 3   B) −2   C) 2   D) −1

2886. 5.2-2 file-» 22 - 18 - - 1 (719658)
y ning qanday qiymatlarida $\vec{b} = 12\vec{i} - y\vec{j} + 15\vec{k}$
vektorning uzunligi 21 ga teng?
A) 14   B) 16   **C)** $\pm 6\sqrt{2}$ D) 2

2887. 5.2-2 file-» 19 - 2 - - 1 (719659)
m ning qanday qiymatida $\vec{a}(1; m; -2)$ va
$\vec{b}(m; 3; -8)$ vektorlar perpendikular bo'ladi?
A) 2   B) 3   C) 4   **D)** −4

2888. 5.2-2 file-» 19 - 3 - - 1 (719660)
m ning qanday qiymatida $\vec{a} = m\vec{i} + 3\vec{j} + 4\vec{k}$ va
$\vec{b} = 25\vec{i} + m\vec{j} - 7\vec{k}$ vektorlar perpendikular
bo'ladi?
A) 5   B) −5   **C)** 1   D) −4

2889. 5.2-2 file-» 22 - 21 - - 1 (719661)
Uchlari $A(4; 5; 1)$, $B(2; 3; 0)$ va $C(2; -1; -3)$
nuqtalarda joylashgan uchburchakning BD
medianasi uzunligini toping.
A) 1   B) $\sqrt{2}$ **C)** $\sqrt{3}$ D) 2

2890.   5.2-2 file-» 23 - 18 - - 1   (719662)

$\overrightarrow{AB}(-3; 0; 2)$ va $\overrightarrow{AC}(9; 6; -2)$ vektorlar ABC uchburchakning tomonlaridir. Shu uchburchakning AN medianasi uzunligini toping.

A) $\dfrac{3}{\sqrt{2}}$ B) $1,5$ C) $3\sqrt{6}$ **D)** $3\sqrt{2}$

2891.   5.2-2 file-» 51 - 1 - -   (719663)

$A(-5; 7; 3)$ va $B(3; -11; 1)$ nuqtalar berilgan. OX o'qida AB kesmaning o'rtasiga eng yaqin bo'lgan nuqtaning koordinatalarini toping.

A) $(1; 0; 0)$ B) $(0; -2; 2)$ C) $(0; -1; 1)$
D) $(-1; 0; 0)$

2892.   5.2-2 file-» 51 - 2 - -   (719664)

$a(1; 0)$ va $b(1; 1)$ vektorlar berilgan. λ ning qanday qiymatida $\bar{a} + \lambda\bar{b}$ va $\bar{b}$ vektorlar perpendikular bo'ladi?

A) $-\dfrac{1}{2}$ B) 2 C) -1 D) $\dfrac{1}{3}$

2893.   5.2-2 file-» 51 - 2 - -   (719665)

$ABCD$ parallelogramning $A(4; -3; 1)$ va $B(-3; 2; 5)$ uchlari hamda diagonallarining kesishish nuqtasi $Q(1; 0; -2)$ berilgan. Uning boshqa uchlarini toping.

A) $(-2; 3; -5)$**;** $(5; -2; -9)$
 B) $(-2; 3; 5)$; $(5; -2; -9)$
 C) $(-2; 3; -5)$; $(5; -2; 9)$
 D) $(-2; 3; -5)$; $(5; 2; -9)$

2894.   5.2-2 file-» 51 - 2 - -   (719666)

Uchlari $A(3; -5; 1)$, $B(-4; -1; -2)$ va $C(-3; 3; 1)$ nuqtalarda bo'lgan ABC uchburchakning AC tomoni va BM medianasi orasidagi burchakni toping.

A) $\arccos\left(-\dfrac{24}{25}\right)$ **B)** $\arccos\left(\dfrac{12}{25}\right)$
C) $\arccos\left(\dfrac{24}{25}\right)$ D) $\arccos\left(-\dfrac{12}{25}\right)$

2895.   5.2-2 file-» 51 - 2 - -   (719667)

Uchlari $A(2; -3; 1)$ va $B(4; -5; 6)$ nuqtalarda yotgan AB kesma o'rtasidagi nuqtaga xy tekislikka nisbatan simmetrik bo'lgan nuqtaning koordinatalarini toping.

A) $(3; -4; 3, 5)$ **B)** $(3; -4; -3, 5)$
C) $(-3; -4; 3, 5)$ D) $(3; 4; 3, 5)$

2896.   5.2-2 file-» 51 - 2 - -   (719668)

n ning qanday qiymatlarida $\vec{a}(n; -2; 1)$ va $\vec{b}(n; 1; -n)$ vektorlar perpendikular bo'ladi?

A) $-1; 2$ B) $1; -2$ C) $-1; -2$ D) $1; 2$

2897.   5.2-2 file-» 58 - 1 - -   (719669)

m ning qanday qiymatlarida, $\vec{a}(2m; 10; 3m)$ vektorning uzunligi $\vec{b}(-3; 4m; 4)$ vektorning uzunligidan qisqa bo'ladi?

A) $m > 5$ B) $|m| < 3$ **C)** $|m| > 5$
D) $m < -3$

2898.   5.2-3 file-» 50 - 148 - -   (704639)

$AB(0; -1; -3, 5)$ va $BC(2; 7; 12, 5)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{94}{99}$ B) $\arccos\dfrac{46}{99}$
C) $\arccos\left(-\dfrac{98}{99}\right)$ **D)** $\arccos\dfrac{98}{99}$

2899.   5.2-3 file-» 50 - 148 - -   (704640)

$AB(-1; 0; -1, 5)$ va $BC(3; 6; 10, 5)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{76}{77}$ B) $\arccos\dfrac{68}{77}$ C) $\arccos\dfrac{32}{77}$
D) $\arccos\left(-\dfrac{76}{77}\right)$

2900.   5.2-3 file-» 50 - 148 - -   (704641)

$AB(-0, 5; -3; -7, 5)$ va $BC(2, 5; 9; 16, 5)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\left(-\dfrac{98}{99}\right)$ **B)** $\arccos\dfrac{98}{99}$
C) $\arccos\dfrac{94}{99}$ D) $\arccos\dfrac{46}{99}$

2901.   5.2-3 file-» 50 - 148 - -   (704642)

$AB(-3; -3; -7, 5)$ va $BC(5; 9; 16, 5)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{32}{77}$ B) $\arccos\left(-\dfrac{76}{77}\right)$
C) $\arccos\dfrac{76}{77}$ D) $\arccos\dfrac{68}{77}$

2902.   5.2-3 file-» 50 - 148 - -   (704643)

$AB(-2; -1, 5; -4, 5)$ va $BC(4; 7, 5; 13, 5)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{68}{77}$ B) $\arccos\dfrac{32}{77}$
C) $\arccos\left(-\dfrac{76}{77}\right)$ **D)** $\arccos\dfrac{76}{77}$

2903. 5.2-3 file-» 50 - 148 - - (704644)
$AB\,(0;\ 2,5;\ 5)$ va $BC\,(2;\ 5,5;\ 11)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{62}{63}$ B) $\arccos\dfrac{58}{63}$ C) $\arccos\dfrac{34}{63}$

D) $\arccos\left(-\dfrac{62}{63}\right)$

2904. 5.2-3 file-» 50 - 148 - - (704645)
$AB\,(0;\ 1;\ 3,5)$ va $BC\,(2;\ 7;\ 12,5)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\left(-\dfrac{98}{99}\right)$ **B)** $\arccos\dfrac{98}{99}$

C) $\arccos\dfrac{94}{99}$ D) $\arccos\dfrac{46}{99}$

2905. 5.2-3 file-» 50 - 148 - - (704646)
$AB\,(-1;\ 1;\ 2)$ va $BC\,(3;\ 7;\ 14)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{34}{63}$ B) $\arccos\left(-\dfrac{62}{63}\right)$

C) $\arccos\dfrac{62}{63}$ D) $\arccos\dfrac{58}{63}$

2906. 5.2-3 file-» 50 - 148 - - (704647)
$AB\,(-1;\ -2;\ -1)$ va $BC\,(3;\ 10;\ 17)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{94}{99}$ B) $\arccos\dfrac{46}{99}$

C) $\arccos\left(-\dfrac{98}{99}\right)$ **D)** $\arccos\dfrac{98}{99}$

2907. 5.2-3 file-» 50 - 148 - - (704648)
$AB\,(-3;\ -2;\ -4)$ va $BC\,(5;\ 10;\ 20)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{62}{63}$ B) $\arccos\dfrac{58}{63}$ C) $\arccos\dfrac{34}{63}$

D) $\arccos\left(-\dfrac{62}{63}\right)$

2908. 5.2-3 file-» 50 - 148 - - (704649)
$AB\,(-2;\ -0,5;\ -1)$ va $BC\,(4;\ 8,5;\ 17)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\left(-\dfrac{62}{63}\right)$ **B)** $\arccos\dfrac{62}{63}$

C) $\arccos\dfrac{58}{63}$ D) $\arccos\dfrac{34}{63}$

2909. 5.2-3 file-» 50 - 148 - - (704650)
$AB\,(1,5;\ 1;\ 2)$ va $BC\,(2,5;\ 5;\ 10)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{34}{63}$ B) $\arccos\left(-\dfrac{62}{63}\right)$

C) $\arccos\dfrac{62}{63}$ D) $\arccos\dfrac{58}{63}$

2910. 5.2-3 file-» 50 - 148 - - (704651)
$AB\,(1;\ 0;\ 1,5)$ va $BC\,(3;\ 6;\ 10,5)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{68}{77}$ B) $\arccos\dfrac{32}{77}$

C) $\arccos\left(-\dfrac{76}{77}\right)$ **D)** $\arccos\dfrac{76}{77}$

2911. 5.2-3 file-» 50 - 148 - - (704652)
$AB\,(1;\ -1;\ -2)$ va $BC\,(3;\ 7;\ 14)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{62}{63}$ B) $\arccos\dfrac{58}{63}$ C) $\arccos\dfrac{34}{63}$

D) $\arccos\left(-\dfrac{62}{63}\right)$

2912. 5.2-3 file-» 50 - 148 - - (704653)
$AB\,(0;\ -3;\ -3)$ va $BC\,(4;\ 9;\ 15)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\left(-\dfrac{76}{77}\right)$ **B)** $\arccos\dfrac{76}{77}$

C) $\arccos\dfrac{68}{77}$ D) $\arccos\dfrac{32}{77}$

2913. 5.2-3 file-» 51 - 1 - - (719670)
Agar $\vec{a}\,(1;\ -1;\ 3)$ va $\vec{b}\,(4;\ 3;\ 0)$ bo'lsa, λ ning qanday qiymatida $4\vec{a}+\lambda\vec{b}$ va $\vec{b}-\vec{a}$ vektorlar perpendikular bo'ladi?

A) $\dfrac{7}{11}$ B) $2,1$ C) $-\dfrac{6}{13}$ **D)** $\dfrac{5}{3}$

2914.   5.2-3 file-» 50 - 156 - -   (719671)
$AB\,(-0,5;\ 0,5;\ 1)$ va $BC\,(1,5;\ 3,5;\ 7)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{62}{63}$ B) $\arccos\dfrac{58}{63}$ C) $\arccos\dfrac{34}{63}$

D) $\arccos\left(-\dfrac{62}{63}\right)$

2915.   5.2-3 file-» 50 - 156 - -   (719672)
$AB\,(-0,5;\ -1;\ -0,5)$ va $BC\,(1,5;\ 5;\ 8,5)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\left(-\dfrac{98}{99}\right)$ **B)** $\arccos\dfrac{98}{99}$

C) $\arccos\dfrac{94}{99}$ D) $\arccos\dfrac{46}{99}$

2916.   5.2-3 file-» 50 - 156 - -   (719673)
$AB\,(-1,5;\ -1;\ -2)$ va $BC\,(2,5;\ 5;\ 10)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{34}{63}$ B) $\arccos\left(-\dfrac{62}{63}\right)$

C) $\arccos\dfrac{62}{63}$ D) $\arccos\dfrac{58}{63}$

2917.   5.2-3 file-» 50 - 156 - -   (719674)
$AB\,(-1,5;\ -4;\ -5)$ va $BC\,(2,5;\ 8;\ 13)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{94}{99}$ B) $\arccos\dfrac{46}{99}$

C) $\arccos\left(-\dfrac{98}{99}\right)$ **D)** $\arccos\dfrac{98}{99}$

2918.   5.2-3 file-» 50 - 156 - -   (719675)
$AB\,(-3,5;\ -4;\ -8)$ va $BC\,(4,5;\ 8;\ 16)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{62}{63}$ B) $\arccos\dfrac{58}{63}$ C) $\arccos\dfrac{34}{63}$

D) $\arccos\left(-\dfrac{62}{63}\right)$

2919.   5.2-3 file-» 50 - 156 - -   (719676)
$AB\,(-2,5;\ -2,5;\ -5)$ va $BC\,(3,5;\ 6,5;\ 13)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\left(-\dfrac{62}{63}\right)$ **B)** $\arccos\dfrac{62}{63}$

C) $\arccos\dfrac{58}{63}$ D) $\arccos\dfrac{34}{63}$

2920.   5.2-3 file-» 50 - 156 - -   (719677)
$AB\,(0,5;\ -0,5;\ -1)$ va $BC\,(1,5;\ 3,5;\ 7)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{34}{63}$ B) $\arccos\left(-\dfrac{62}{63}\right)$

C) $\arccos\dfrac{62}{63}$ D) $\arccos\dfrac{58}{63}$

2921.   5.2-3 file-» 50 - 156 - -   (719678)
$AB\,(0;\ -1,5;\ -1,5)$ va $BC\,(2;\ 4,5;\ 7,5)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{68}{77}$ B) $\arccos\dfrac{32}{77}$

C) $\arccos\left(-\dfrac{76}{77}\right)$ **D)** $\arccos\dfrac{76}{77}$

2922.   5.2-3 file-» 50 - 156 - -   (719679)
$AB\,(0;\ -2,5;\ -5)$ va $BC\,(2;\ 5,5;\ 11)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{62}{63}$ B) $\arccos\dfrac{58}{63}$ C) $\arccos\dfrac{34}{63}$

D) $\arccos\left(-\dfrac{62}{63}\right)$

2923.   5.2-3 file-» 50 - 156 - -   (719680)
$AB\,(-1;\ -4,5;\ -6)$ va $BC\,(3;\ 7,5;\ 12)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\left(-\dfrac{76}{77}\right)$ **B)** $\arccos\dfrac{76}{77}$

C) $\arccos\dfrac{68}{77}$ D) $\arccos\dfrac{32}{77}$

2924. 5.2-3 file-» 50 - 156 - - (719681)

$AB\,(-0,5;\ -0,5;\ -3)$ ва $BC\,(2,5;\ 3,5;\ 9)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{54}{91}$ B) $\arccos\left(-\dfrac{90}{91}\right)$

C) $\arccos\dfrac{90}{91}$ D) $\arccos\dfrac{6}{7}$

2925. 5.2-3 file-» 50 - 156 - - (719682)

$AB\,(-0,5;\ -4,5;\ -9)$ ва $BC\,(2,5;\ 7,5;\ 15)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{58}{63}$ B) $\arccos\dfrac{34}{63}$

C) $\arccos\left(-\dfrac{62}{63}\right)$ **D)** $\arccos\dfrac{62}{63}$

2926. 5.2-3 file-» 50 - 156 - - (719683)

$AB\,(-2;\ -2,5;\ -9)$ ва $BC\,(4;\ 5,5;\ 15)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{90}{91}$ B) $\arccos\dfrac{6}{7}$ C) $\arccos\dfrac{54}{91}$

D) $\arccos\left(-\dfrac{90}{91}\right)$

2927. 5.2-3 file-» 50 - 156 - - (719684)

$AB\,(0,5;\ 1;\ 0,5)$ ва $BC\,(1,5;\ 5;\ 8,5)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\left(-\dfrac{98}{99}\right)$ **B)** $\arccos\dfrac{98}{99}$

C) $\arccos\dfrac{94}{99}$ D) $\arccos\dfrac{46}{99}$

2928. 5.2-3 file-» 50 - 156 - - (719685)

$AB\,(0;\ 1,5;\ 1,5)$ ва $BC\,(2;\ 4,5;\ 7,5)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.

A) $\arccos\dfrac{32}{77}$ B) $\arccos\left(-\dfrac{76}{77}\right)$

C) $\arccos\dfrac{76}{77}$ D) $\arccos\dfrac{68}{77}$

2929. 5.3-3 file-» 6 - 3 - - (14047)

Мунтазам тўртбурчакли кесик пирамида асосларининг томонлари 14 ва 10 см, диагонали $4\sqrt{22}$ см. Кесик пирамиданинг баландлиги неча см?

A) *6*   B) *7*   **C)** *8*   D) *5*

2930. 5.3-3 file-» 6 - 4 - - (14099)

Мунтазам тўртбурчакли кесик пирамида асосларининг томонлари 4 ва 8 см, диагонали 12 см. Кесик пирамиданинг баландлиги неча см?

A) *3*   **B)** $6\sqrt{2}$ C) $8\sqrt{2}$ D) *4,5*

2931. 5.3-3 file-» 6 - 5 - - (14151)

Мунтазам тўртбурчакли кесик пирамида асосларининг томонлари 3 ва 5 см, диагонали $2\sqrt{17}$ см. Кесик пирамиданинг баландлиги неча см?

A) *6*   B) *7*   C) *5*   D) *8*

2932. 5.3-3 file-» 6 - 6 - - (14202)

Мунтазам тўртбурчакли кесик пирамида асосларининг томонлари 3 ва 7 см, диагонали $\sqrt{82}$ см. Кесик пирамиданинг баландлиги неча см?

A) 5   B) $5\sqrt{2}$ **C)** $4\sqrt{2}$ D) 4

2933. 5.3-3 file-» 23 - 13 - - 11 (71133)

Тенг ёнли ABC учбурчакнинг $(AB = AC)$ A учидан учбурчак текислигига узунлиги 32 га тенг бўлган AD перпендикуляр ўтказилди. D нуқтадан BC томонгача бўлган масофа 40 га тенг. ABC учбурчакнинг BC томонига ўтказилган баландлиги қанчага тенг?

A) 24   B) 12   C) 14   D) 20

2934. 5.3-3 file-» 12 - 2 - - 7 (71855)

Учбурчакли мунтазам призманинг баландлиги 32 га, асосининг юзи $\dfrac{9\sqrt{3}}{16}$ га тенг. Призма ён ёғининг юзини топинг.

A) 48   B) 54   C) 36   D) 42

2935. 5.3-3 file-» 16 - 5 - - 12 (96306)

Мунтазам тўртбурчакли призманинг асоси 8 га ва баландлиги 12 га тенг. Призма параллель ён ёқларининг ўзаро айқаш диагоналлари орасидаги ўткир бурчакни топинг.

A) $arcsin\dfrac{8}{13}$ B) $arcsin\dfrac{2}{\sqrt{13}}$ C) $arccos\dfrac{3}{\sqrt{13}}$

D) $arcsin\dfrac{12}{13}$

2936. 5.3-3 file-» 32 - 2 - - 11 (119923)

Мунтазам тўртбурчакли пирамида асосининг томони 5 га, тўла сирти 65 га тенг. Пирамида ён ёғининг асос текислигига оғиш бурчагини топинг.

A) $arccos\dfrac{5}{8}$ B) $arcsin\dfrac{5}{8}$ C) $arccos\dfrac{5}{16}$

D) $arcsin\dfrac{5}{16}$

2937.   5.3-3 file-» 19 - 5 - - 2   (123046)
Мунтазам тўртбурчакли пирамиданинг ён қирраси $6\sqrt{2}$ га, ён қирра ва асос текислиги орасидаги бурчак 45° га тенг. Пирамиданинг ҳажмини топинг.
A) $96\sqrt{2}$ **B)** 144   C) 72   D) 192

2938.   5.3-3 file-» 32 - 3 - - 2   (139949)
Мунтазам учбурчакли пирамиданинг баландлиги асосининг томонидан олти марта кичик. Пирамиданинг ён ёғи асос текислиги билан қандай бурчак ташкил этади?
A) 60°   **B)** 30°   C) 15°   D) 45°

2939.   5.3-3 file-» 2 - 43 - - 8   (144566)
Мунтазам учбурчакли пирамиданинг ён қирраси 20 га, асосининг томони $16\sqrt{3}$ га тенг. Пирамиданинг баландлигини топинг.
A) 12   B) $8\sqrt{3}$ C) 16   D) 8

2940.   5.3-3 file-» 2 - 43 - - 8   (144567)
Мунтазам тўртбурчакли пирамиданинг ҳажми 19200 га, баландлиги эса 9 га тенг. Пирамида апофемаси узунлигини топинг.
A) 39   B) 27   C) 36   **D)** 41

2941.   5.3-3 file-» 31 - 2 - - 6   (146274)
Мунтазам тўртбурчакли кесик пирамиданинг баландлиги 8 га, асосларининг томонлари 12 ва 20 га тенг. Кесик пирамиданинг диагоналини топинг.
A) 48   **B)** 24   C) 36   D) 40

2942.   5.3-3 file-» 31 - 2 - - 6   (146279)
Учбурчакли мунтазам пирамида асосининг томони 24 га тенг. Ён ёғи асос текислиги билан 30° ли бурчак ҳосил қилади. Пирамиданинг баландлигини топинг.
A) 4   B) 12   C) 8   D) 6

2943.   5.3-3 file-» 54 - 1 - -   (175443)
Барча қирралари тенг бўлган мунтазам учбурчакли призма асосининг медианаси $6\sqrt{3}$ га тенг. Шу призманинг ҳажмини топинг.
A) $432\sqrt{3}$ B) $144\sqrt{3}$ C) $288\sqrt{3}$ D) $864\sqrt{3}$

2944.   5.3-3 file-» 6 - 3 - -   (315527)
Muntazam to'rtburchakli kesik piramida asoslarining tomonlari 14 va 10 sm, diagonali $4\sqrt{22}$ sm. Kesik piramidaning balandligi necha sm?
A) *6*   B) *7*   **C)** *8*   D) *5*

2945.   5.3-3 file-» 6 - 4 - -   (315528)
Muntazam to'rtburchakli kesik piramida asoslarining tomonlari 4 va 8 sm, diagonali 12 sm. Kesik piramidaning balandligi necha sm?
A) *3*   **B)** $6\sqrt{2}$ C) $8\sqrt{2}$ D) *4,5*

2946.   5.3-3 file-» 6 - 5 - -   (315529)
Muntazam to'rtburchakli kesik piramida asoslarining tomonlari 3 va 5 sm, diagonali $2\sqrt{17}$ sm. Kesik piramidaning balandligi necha sm?
A) *6*   B) *7*   C) *5*   D) *8*

2947.   5.3-3 file-» 6 - 6 - -   (315530)
Muntazam to'rtburchakli kesik piramida asoslarining tomonlari 3 va 7 sm, diagonali $\sqrt{82}$ sm. Kesik piramidaning balandligi necha sm?
A) *5*   B) $5\sqrt{2}$ **C)** $4\sqrt{2}$ D) *4*

2948.   5.3-3 file-» 23 - 13 - - 11   (315531)
Teng yonli ABC uchburchakning ($AB = AC$) A uchidan uchburchak tekisligiga uzunligi 32 ga teng bo'lgan AD perpendikulyar o'tkazildi. D nuqtadan BC tomongacha bo'lgan masofa 40 ga teng. ABC uchburchakning BC tomoniga o'tkazilgan balandligi qanchaga teng?
A) *24*   B) *12*   C) *14*   D) *20*

2949.   5.3-3 file-» 12 - 2 - - 7   (315532)
Uchburchakli muntazam prizmaning balandligi 32 ga, asosining yuzi $\dfrac{9\sqrt{3}}{16}$ ga teng. Prizma yon yog'ining yuzini toping.
A) *48*   B) *54*   C) *36*   D) *42*

2950.   5.3-3 file-» 16 - 5 - - 12   (315533)
Muntazam to'rtburchakli prizmaning asosi 8 ga va balandligi 12 ga teng. Prizma parallel yon yoqlarining o'zaro ayqash diagonallari orasidagi o'tkir burchakni toping.
A) $arcsin\dfrac{8}{13}$ B) $arcsin\dfrac{2}{\sqrt{13}}$
C) $arccos\dfrac{3}{\sqrt{13}}$ **D)** $arcsin\dfrac{12}{13}$

2951.   5.3-3 file-» 32 - 2 - - 11   (315534)
Muntazam to'rtburchakli piramida asosining tomoni 5 ga, to'la sirti 65 ga teng. Piramida yon yog'ining asos tekisligiga og'ish burchagini toping.
A) $arccos\dfrac{5}{8}$ B) $arcsin\dfrac{5}{8}$ C) $arccos\dfrac{5}{16}$
D) $arcsin\dfrac{5}{16}$

2952.   5.3-3 file-» 19 - 5 - - 2   (315535)
Muntazam to'rtburchakli piramidaning yon qirrasi $6\sqrt{2}$ ga, yon qirra va asos tekisligi orasidagi burchak 45° ga teng. Piramidaning hajmini toping.
A) $96\sqrt{2}$ **B)** 144   C) 72   D) 192

2953.   5.3-3 file-» 32 - 3 - - 2   (315536)
Muntazam uchburchakli piramidaning balandligi asosining tomonidan olti marta kichik. Piramidaning yon yog'i asos tekisligi bilan qanday burchak tashkil etadi?

A) 60°   **B) 30°**   C) 15°   D) 45°

2954.   5.3-3 file-» 2 - 43 - - 8   (315537)
Muntazam uchburchakli piramidaning yon qirrasi 20 ga, asosining tomoni $16\sqrt{3}$ ga teng. Piramidaning balandligini toping.

A) 12   B) $8\sqrt{3}$ C) 16   D) 8

2955.   5.3-3 file-» 2 - 43 - - 8   (315538)
Muntazam to'rtburchakli piramidaning hajmi 19200 ga, balandligi esa 9 ga teng. Piramida apofemasi uzunligini toping.

A) 39   B) 27   C) 36   **D) 41**

2956.   5.3-3 file-» 31 - 2 - - 6   (315539)
Muntazam to'rtburchakli kesik piramidaning balandligi 8 ga, asoslarining tomonlari 12 va 20 ga teng. Kesik piramidaning diagonalini toping.

A) 48   **B) 24**   C) 36   D) 40

2957.   5.3-3 file-» 31 - 2 - - 6   (315540)
Uchburchakli muntazam piramida asosining tomoni 24 ga teng. Yon yog'i asos tekisligi bilan 30° li burchak hosil qiladi. Piramidaning balandligini toping.

A) 4   B) 12   C) 8   D) 6

2958.   5.3-3 file-» 54 - 1 - -   (315541)
Barcha qirralari teng bo'lgan muntazam uchburchakli prizma asosining medianasi $6\sqrt{3}$ ga teng. Shu prizmaning hajmini toping.

A) $432\sqrt{3}$ B) $144\sqrt{3}$ C) $288\sqrt{3}$
D) $864\sqrt{3}$

2959.   5.3-3 file-» 28 - 1 - -   (402111)
Muntazam uchburchakli piramidaning balandligi 4 ga, asosining balandligi esa $6\sqrt{3}$ ga teng. Piramidaning yon qirrasini toping.

A) 6   **B) 8**   C) 5   D) 9

2960.   5.3-3 file-» 28 - 2 - -   (402112)
Tomoni 24 ga teng bo'lgan kubning uchidan shu uch bilan umumiy nuqtaga ega bo'lmagan yog'ining simmetriya markazigacha bo'lgan masofani toping.

A) $12\sqrt{6}$ B) $24\sqrt{3}$ C) $24\sqrt{2}$ D) $18\sqrt{6}$

2961.   5.3-3 file-» 13 - 4 - -   (402113)
Uchburchakli piramida asosining tomonlari 12; 16 va 20 ga teng. Piramidaning yon qirralari asos tekisligi bilan bir xil burchak hosil qiladi. Agar piramidaning balandligi $3\sqrt{29}$ ga teng bo'lsa, yon qirrasi qanchaga teng bo'ladi?

A) 19   B) 20   C) 14   D) 17

2962.   5.3-3 file-» 13 - 4 - -   (402114)
Uchburchakli to'g'ri prizma asosining tomonlari 9; 12 va 15 ga teng. Prizmaning hajmi 486 ga teng bo'lsa, uning balandligi qanchaga teng bo'ladi?

A) 12   B) 6   **C) 9**   D) 8

2963.   5.3-3 file-» 23 - 5 - -   (402115)
Muntazam to'rtburchakli prizma asosining tomoni 4 ga, balandligi $4\sqrt{6}$ ga teng. Prizmaning diagonali asos tekisligi bilan qanday burchak hosil qiladi?

A) 30°   B) 45°   **C) 60°**   D) 75°

2964.   5.3-3 file-» 2 - 2 - - 8   (402116)
Katetlari 24 va 32 sm bo'lgan to'g'ri burchakli uchburchakning uchlaridan bir xil $2\sqrt{269}$ sm uzoqlikda joylashgan nuqta uchburchak tekisligidan qanday masofada (sm) yotadi?

A) 26   B) 14   C) 24   D) 30

2965.   5.3-3 file-» 2 - 2 - - 8   (402117)
Muntazam piramidaning asosi ichki burchaklarining yig'indisi 720° ga, tomoni 6 ga teng bo'lgan ko'pburchakdan iborat. Agar piramidaning yon qirrasi $\sqrt{205}$ ga teng bo'lsa, piramidaning balandligini aniqlang.

A) 8   B) 16   C) 12   **D) 13**

2966.   5.3-3 file-» 2 - 42 - - 5   (402118)
Uchburchakli to'g'ri prizmaning barcha qirralari bir xil uzunlikka ega va to'la sirti $16 + 32\sqrt{3}$ ga teng. Prizma asosining yuzini toping.

A) 4   **B) 8**   C) $8\sqrt{3}$ D) 6

2967.   5.3-3 file-» 54 - 1 - -   (402119)
To'g'ri burchakli parallelepipedning qo'shni yon yoqlari diagonallari asos tekisligi bilan 30° va 45° li burchak hosil qiladi. Shu diagonallar orasidagi burchakning kosinusini toping.

A) $\dfrac{\sqrt{2}}{4}$ B) $\dfrac{2}{\sqrt{3}}$ C) $\dfrac{\sqrt{3}}{3}$ D) $\dfrac{1}{\sqrt{2}}$

2968.   5.3-3 file-» 55 - 1 - -   (402120)
Uchburchakli to'g'ri prizma asosining tomonlari 6 va 8 ga teng bo'lib, o'zaro 60° li burchak tashkil etadi, uchinchi tomoni esa prizma balandligiga teng. Prizmaning hajmini toping.

A) $24\sqrt{39}$ B) $12\sqrt{21}$ C) $21\sqrt{39}$
D) $30\sqrt{3}$

2969.   5.3-3 file-» 50 - 159 - -   (704654)
Uchburchakli piramida asosining tomonlari 4, 13 va 15 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\dfrac{65\sqrt{3}}{24}$ B) $\dfrac{65\sqrt{3}}{16}$ C) $\dfrac{65}{16}$ **D)** $\dfrac{65\sqrt{3}}{8}$

2970.   5.3-3 file-» 50 - 159 - -   (704655)
Uchburchakli piramida asosining tomonlari 5, 12 va 13 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\dfrac{13\sqrt{3}}{2}$ B) $\dfrac{13\sqrt{3}}{6}$ C) $\dfrac{13\sqrt{3}}{4}$ D) $\dfrac{13}{4}$

2971.   5.3-3 file-» 50 - 159 - -   (704656)
Uchburchakli piramida asosining tomonlari 9, 10 va 17 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\dfrac{85}{16}$ **B)** $\dfrac{85\sqrt{3}}{8}$ C) $\dfrac{85\sqrt{3}}{24}$ D) $\dfrac{85\sqrt{3}}{16}$

2972.   5.3-3 file-» 50 - 159 - -   (704657)
Uchburchakli piramida asosining tomonlari 9, 12 va 15 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\dfrac{15\sqrt{3}}{4}$ B) $\dfrac{15}{4}$ **C)** $\dfrac{15\sqrt{3}}{2}$ D) $\dfrac{5\sqrt{3}}{2}$

2973.   5.3-3 file-» 50 - 159 - -   (704658)
Uchburchakli piramida asosining tomonlari 12, 16 va 20 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\dfrac{10\sqrt{3}}{3}$ B) $5\sqrt{3}$ C) 5 **D)** $10\sqrt{3}$

2974.   5.3-3 file-» 50 - 159 - -   (704659)
Uchburchakli piramida asosining tomonlari 6, 8 va 10 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $5\sqrt{3}$ B) $\dfrac{5\sqrt{3}}{3}$ C) $\dfrac{5\sqrt{3}}{2}$ D) $\dfrac{5}{2}$

2975.   5.3-3 file-» 50 - 159 - -   (704660)
Uchburchakli piramida asosining tomonlari 13, 14 va 15 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\dfrac{65}{16}$ **B)** $\dfrac{65\sqrt{3}}{8}$ C) $\dfrac{65\sqrt{3}}{24}$ D) $\dfrac{65\sqrt{3}}{16}$

2976.   5.3-3 file-» 50 - 159 - -   (704661)
Uchburchakli piramida asosining tomonlari 8, 15 va 17 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\dfrac{17\sqrt{3}}{4}$ B) $\dfrac{17}{4}$ **C)** $\dfrac{17\sqrt{3}}{2}$ D) $\dfrac{17\sqrt{3}}{6}$

2977.   5.3-3 file-» 50 - 159 - -   (704662)
Uchburchakli piramida asosining tomonlari 11, 13 va 20 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\dfrac{65\sqrt{3}}{18}$ B) $\dfrac{65\sqrt{3}}{12}$ C) $\dfrac{65}{12}$ **D)** $\dfrac{65\sqrt{3}}{6}$

2978.   5.3-3 file-» 50 - 159 - -   (704663)
Uchburchakli piramida asosining tomonlari 7, 15 va 20 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\dfrac{25\sqrt{3}}{2}$ B) $\dfrac{25\sqrt{3}}{6}$ C) $\dfrac{25\sqrt{3}}{4}$ D) $\dfrac{25}{4}$

2979.   5.3-3 file-» 50 - 159 - -   (704664)
Piramidaning barcha yon yoqlari asos tekisligi bilan 30° burchak tashkil qiladi. Uning asosi tomonlari 4, 13 va 15 ga teng uchburchakdan iborat. Piramidaning balandligini toping.

A) $\dfrac{3\sqrt{3}}{4}$ **B)** $\dfrac{\sqrt{3}}{2}$ C) $\dfrac{3\sqrt{3}}{2}$ D) $\dfrac{3}{4}$

2980.   5.3-3 file-» 50 - 159 - -   (704665)
Piramidaning barcha yon yoqlari asos tekisligi bilan 30° burchak tashkil qiladi. Uning asosi tomonlari 12, 16 va 20 ga teng uchburchakdan iborat. Piramidaning balandligini toping.

A) 2 B) $2\sqrt{3}$ **C)** $\dfrac{4\sqrt{3}}{3}$ D) $4\sqrt{3}$

2981.   5.3-3 file-» 50 - 159 - -   (704666)
Piramidaning barcha yon yoqlari asos tekisligi bilan 30° burchak tashkil qiladi. Uning asosi tomonlari 5, 12 va 13 ga teng uchburchakdan iborat. Piramidaning balandligini toping.

A) $2\sqrt{3}$ B) 1 C) $\sqrt{3}$ **D)** $\dfrac{2\sqrt{3}}{3}$

2982.   5.3-3 file-» 50 - 159 - -   (704667)
Piramidaning barcha yon yoqlari asos tekisligi bilan 30° burchak tashkil qiladi. Uning asosi tomonlari 9, 10 va 17 ga teng uchburchakdan iborat. Piramidaning balandligini toping.

A) $\dfrac{2\sqrt{3}}{3}$ B) $2\sqrt{3}$ C) 1 D) $\sqrt{3}$

2983.   5.3-3 file-» 50 - 159 - -   (704668)
Piramidaning barcha yon yoqlari asos tekisligi
bilan 30° burchak tashkil qiladi. Uning asosi
tomonlari 9, 12 va 15 ga teng uchburchakdan
iborat. Piramidaning balandligini toping.

A) $\frac{3\sqrt{3}}{2}$ **B)** $\sqrt{3}$ C) $3\sqrt{3}$ D) $\frac{3}{2}$

2984.   5.3-3 file-» 50 - 159 - -   (704669)
Piramidaning barcha yon yoqlari asos tekisligi
bilan 30° burchak tashkil qiladi. Uning asosi
tomonlari 6, 8 va 10 ga teng uchburchakdan
iborat. Piramidaning balandligini toping.

A) 1   B) $\sqrt{3}$ **C)** $\frac{2\sqrt{3}}{3}$ D) $2\sqrt{3}$

2985.   5.3-3 file-» 50 - 159 - -   (704670)
Piramidaning barcha yon yoqlari asos tekisligi
bilan 30° burchak tashkil qiladi. Uning asosi
tomonlari 8, 15 va 17 ga teng uchburchakdan
iborat. Piramidaning balandligini toping.

A) $3\sqrt{3}$ B) $\frac{3}{2}$ C) $\frac{3\sqrt{3}}{2}$ **D)** $\sqrt{3}$

2986.   5.3-3 file-» 50 - 159 - -   (704671)
Piramidaning barcha yon yoqlari asos tekisligi
bilan 30° burchak tashkil qiladi. Uning asosi
tomonlari 11, 13 va 20 ga teng uchburchakdan
iborat. Piramidaning balandligini toping.

A) $\sqrt{3}$ B) $3\sqrt{3}$ C) $\frac{3}{2}$ D) $\frac{3\sqrt{3}}{2}$

2987.   5.3-3 file-» 50 - 159 - -   (704672)
Piramidaning barcha yon yoqlari asos tekisligi
bilan 30° burchak tashkil qiladi. Uning asosi
tomonlari 13, 14 va 15 ga teng uchburchakdan
iborat. Piramidaning balandligini toping.

A) $2\sqrt{3}$ **B)** $\frac{4\sqrt{3}}{3}$ C) $4\sqrt{3}$ D) 2

2988.   5.3-3 file-» 50 - 159 - -   (704673)
Piramidaning barcha yon yoqlari asos tekisligi
bilan 30° burchak tashkil qiladi. Uning asosi
tomonlari 7, 15 va 20 ga teng uchburchakdan
iborat. Piramidaning balandligini toping.

A) 1   B) $\sqrt{3}$ **C)** $\frac{2\sqrt{3}}{3}$ D) $2\sqrt{3}$

2989.   5.3-3 file-» 51 - 1 - -   (719686)
Muntazam to'rtburchakli piramidaning
apofemasi 15 ga, asosidagi ikki yoqli
burchagining tangensi $\frac{3}{4}$ ga teng. Piramidaning
yon sirtini toping.

A) 720   B) 270   C) 620   D) 360

2990.   5.3-3 file-» 51 - 2 - -   (719688)
Uchburchakli piramida asosining tomonlari 13,
14 va 15 ga teng. Barcha qirralari asos tekisligi
bilan φ burchak tashkil qiladi. Piramidaning
balandligini toping.

A) $\frac{65}{16}tg\varphi$ B) $\frac{65}{8}ctg\varphi$ **C)** $\frac{65}{8}tg\varphi$

D) $\frac{65}{16}ctg\varphi$

2991.   5.3-3 file-» 58 - 1 - -   (719689)
Muntazam oltiburchakli prizmaga radiusi 2 ga
teng bo'lgan shar ichki chizilgan. Prizmaning
to'la sirtini toping.

A) $42\sqrt{3}$ **B)** $48\sqrt{3}$ C) $56\sqrt{3}$ D) $36\sqrt{3}$

2992.   5.3-3 file-» 50 - 163 - -   (719690)
Uchburchakli piramida asosining tomonlari 4, 13
va 15 ga teng. Uning barcha yon qirralari asos
tekisligi bilan 30° burchak tashkil qiladi.
Piramidaning balandligini toping.

A) $\frac{65\sqrt{3}}{8}$ B) $\frac{65}{16}$ C) $\frac{65\sqrt{3}}{16}$ **D)** $\frac{65\sqrt{3}}{24}$

2993.   5.3-3 file-» 50 - 163 - -   (719691)
Uchburchakli piramida asosining tomonlari 5, 12
va 13 ga teng. Uning barcha yon qirralari asos
tekisligi bilan 30° burchak tashkil qiladi.
Piramidaning balandligini toping.

A) $\frac{13\sqrt{3}}{6}$ B) $\frac{13\sqrt{3}}{2}$ C) $\frac{13}{4}$ D) $\frac{13\sqrt{3}}{4}$

2994.   5.3-3 file-» 50 - 163 - -   (719692)
Uchburchakli piramida asosining tomonlari 9, 10
va 17 ga teng. Uning barcha yon qirralari asos
tekisligi bilan 30° burchak tashkil qiladi.
Piramidaning balandligini toping.

A) $\frac{85\sqrt{3}}{16}$ **B)** $\frac{85\sqrt{3}}{24}$ C) $\frac{85\sqrt{3}}{8}$ D) $\frac{85}{16}$

2995.   5.3-3 file-» 50 - 163 - -   (719693)
Uchburchakli piramida asosining tomonlari 9, 12
va 15 ga teng. Uning barcha yon qirralari asos
tekisligi bilan 30° burchak tashkil qiladi.
Piramidaning balandligini toping.

A) $\frac{15}{4}$ B) $\frac{15\sqrt{3}}{4}$ **C)** $\frac{5\sqrt{3}}{2}$ D) $\frac{15\sqrt{3}}{2}$

2996.   5.3-3 file-» 50 - 163 - -   (719694)
Uchburchakli piramida asosining tomonlari 12,
16 va 20 ga teng. Uning barcha yon qirralari asos
tekisligi bilan 30° burchak tashkil qiladi.
Piramidaning balandligini toping.

A) $10\sqrt{3}$ B) 5   C) $5\sqrt{3}$ **D)** $\frac{10\sqrt{3}}{3}$

2997.   5.3-3 file-» 50 - 163 - -   (719695)
Uchburchakli piramida asosining tomonlari 6, 8 va 10 ga teng. Uning barcha yon qirralari asos tekisligi bilan 30° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\dfrac{5\sqrt{3}}{3}$ B) $5\sqrt{3}$ C) $\dfrac{5}{2}$ D) $\dfrac{5\sqrt{3}}{2}$

2998.   5.3-3 file-» 50 - 163 - -   (719696)
Uchburchakli piramida asosining tomonlari 13, 14 va 15 ga teng. Uning barcha yon qirralari asos tekisligi bilan 30° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\dfrac{65\sqrt{3}}{16}$ **B)** $\dfrac{65\sqrt{3}}{24}$ C) $\dfrac{65\sqrt{3}}{8}$ D) $\dfrac{65}{16}$

2999.   5.3-3 file-» 50 - 163 - -   (719697)
Uchburchakli piramida asosining tomonlari 8, 15 va 17 ga teng. Uning barcha yon qirralari asos tekisligi bilan 30° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\dfrac{17}{4}$ B) $\dfrac{17\sqrt{3}}{4}$ **C)** $\dfrac{17\sqrt{3}}{6}$ D) $\dfrac{17\sqrt{3}}{2}$

3000.   5.3-3 file-» 50 - 163 - -   (719698)
Uchburchakli piramida asosining tomonlari 11, 13 va 20 ga teng. Uning barcha yon qirralari asos tekisligi bilan 30° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\dfrac{65\sqrt{3}}{6}$ B) $\dfrac{65}{12}$ C) $\dfrac{65\sqrt{3}}{12}$ **D)** $\dfrac{65\sqrt{3}}{18}$

3001.   5.3-3 file-» 50 - 163 - -   (719699)
Uchburchakli piramida asosining tomonlari 7, 15 va 20 ga teng. Uning barcha yon qirralari asos tekisligi bilan 30° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\dfrac{25\sqrt{3}}{6}$ B) $\dfrac{25\sqrt{3}}{2}$ C) $\dfrac{25}{4}$ D) $\dfrac{25\sqrt{3}}{4}$

3002.   5.3-3 file-» 50 - 163 - -   (719700)
Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 4, 13 va 15 ga teng uchburchakdan iborat. Piramidaning balandligini toping.

A) $\dfrac{3}{4}$ **B)** $\dfrac{3\sqrt{3}}{2}$ C) $\dfrac{\sqrt{3}}{2}$ D) $\dfrac{3\sqrt{3}}{4}$

3003.   5.3-3 file-» 50 - 163 - -   (719701)
Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 12, 16 va 20 ga teng uchburchakdan iborat. Piramidaning balandligini toping.

A) $2\sqrt{3}$ B) 2 **C)** $4\sqrt{3}$ D) $\dfrac{4\sqrt{3}}{3}$

3004.   5.3-3 file-» 50 - 163 - -   (719702)
Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 5, 12 va 13 ga teng uchburchakdan iborat. Piramidaning balandligini toping.

A) $\dfrac{2\sqrt{3}}{3}$ B) $\sqrt{3}$ C) 1 **D)** $2\sqrt{3}$

3005.   5.3-3 file-» 50 - 163 - -   (719703)
Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 9, 10 va 17 ga teng uchburchakdan iborat. Piramidaning balandligini toping.

A) $2\sqrt{3}$ B) $\dfrac{2\sqrt{3}}{3}$ C) $\sqrt{3}$ D) 1

3006.   5.3-3 file-» 50 - 163 - -   (719704)
Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 9, 12 va 15 ga teng uchburchakdan iborat. Piramidaning balandligini toping.

A) $\dfrac{3}{2}$ **B)** $3\sqrt{3}$ C) $\sqrt{3}$ D) $\dfrac{3\sqrt{3}}{2}$

3007.   5.3-3 file-» 50 - 163 - -   (719705)
Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 6, 8 va 10 ga teng uchburchakdan iborat. Piramidaning balandligini toping.

A) $\sqrt{3}$ B) 1 **C)** $2\sqrt{3}$ D) $\dfrac{2\sqrt{3}}{3}$

3008.   5.3-3 file-» 50 - 163 - -   (719706)
Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 8, 15 va 17 ga teng uchburchakdan iborat. Piramidaning balandligini toping.

A) $\sqrt{3}$ B) $\dfrac{3\sqrt{3}}{2}$ C) $\dfrac{3}{2}$ **D)** $3\sqrt{3}$

3009.   5.3-3 file-» 50 - 163 - -   (719707)
Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 11, 13 va 20 ga teng uchburchakdan iborat. Piramidaning balandligini toping.

A) $3\sqrt{3}$ B) $\sqrt{3}$ C) $\dfrac{3\sqrt{3}}{2}$ D) $\dfrac{3}{2}$

3010.   5.3-3 file-» 50 - 163 - -   (719708)
Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 13, 14 va 15 ga teng uchburchakdan iborat. Piramidaning balandligini toping.

A) 2 **B)** $4\sqrt{3}$ C) $\dfrac{4\sqrt{3}}{3}$ D) $2\sqrt{3}$

3011. 5.3-3 file-» 50 - 163 - - (719709)
Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 7, 15 va 20 ga teng uchburchakdan iborat. Piramidaning balandligini toping.

A) $\sqrt{3}$ B) 1   **C)** $2\sqrt{3}$ D) $\dfrac{2\sqrt{3}}{3}$

3012. 5.4-3 file-» 22 - 11 - - (36219)
Баландлиги $\sqrt{3}$ га, ясовчиси $2\sqrt{3}$ га тенг бўлган конусга ташқи чизилган шарнинг радиусини топинг.

A) $2\sqrt{3}$ B) 2   C) $3\sqrt{2}$ D) $3\sqrt{3}$

3013. 5.4-3 file-» 22 - 12 - - (36279)
Ясовчиси 15 га, асосининг радиуси 9 га тенг бўлган конусга ички чизилган шарнинг радиусини топинг.

A) $4,5$ B) 6   C) $4,5\sqrt{3}$ D) $3\sqrt{2}$

3014. 5.4-3 file-» 16 - 1 - - (56838)
Қирраси 12 га тенг бўлган куб ёқларининг марказлари туташтирилди. Ҳосил бўлган жисмнинг ҳажмини топинг.

A) 288   B) 144   C) 169   D) 216

3015. 5.4-3 file-» 23 - 5 - - (57129)
Мунтазам тўрт бурчакли пирамиданинг баландлиги 9 га, диагональ кесимнинг юзи 54 га тенг. Пирамиданинг ҳажмини топинг.

A) 206   **B)** 216   C) 648   D) 128

3016. 5.4-3 file-» 23 - 15 - - 2 (64344)
Радиуси 15 га тенг бўлган шарга ички чизилган конуснинг баландлиги 12 га тенг. Конуснинг ҳажмини топинг.

A) 756π B) 486π C) 672π **D)** 864π

3017. 5.4-3 file-» 19 - 1 - - 3 (68364)
Радиуси 6 га тенг шар конусга ички чизилган. Конус ясовчиси ва баландлиги орасидаги бурчак 30° га тенг. Конус ён сиртининг юзини топинг.

A) 48π B) 96π C) 72π **D)** 216π

3018. 5.4-3 file-» 22 - 19 - - 4 (69958)
Баландлиги 9 га, ясовчиси 15 га тенг конусга ички чизилган шарнинг сиртининг юзини топинг.

A) 56π B) 72π **C)** 64π D) 48π

3019. 5.4-3 file-» 23 - 13 - - 11 (71131)
Шарга ички чизилган конуснинг асоси шарнинг катта доирасига тенг. Конус ўқ кесимининг юзи 36 га тенг. Шарнинг ҳажмини топинг.

A) 432π B) 144π C) 334π **D)** 288π

3020. 5.4-3 file-» 22 - 21 - - 4 (105973)
Цилиндрнинг баландлиги ва асосининг радиуси 8 га тенг. Юзи цилиндрнинг тўла сиртига тенг бўлган доиранинг радиусини топинг.

A) 16   B) 8   C) 9   D) 12

3021. 5.4-3 file-» 19 - 5 - - 2 (123049)
Конуснинг ясовчиси 20 га, асосининг диаметри 24 га тенг. Унга ички чизилган шар сиртининг юзини топинг.

A) 169π B) 156π **C)** 144π D) 289π

3022. 5.4-3 file-» 22 - 11 - - (315542)
Balandligi $\sqrt{3}$ ga, yasovchisi $2\sqrt{3}$ ga teng bo'lgan konusga tashqi chizilgan sharning radiusini toping.

A) $2\sqrt{3}$ B) 2   C) $3\sqrt{2}$ D) $3\sqrt{3}$

3023. 5.4-3 file-» 22 - 12 - - (315543)
Yasovchisi 15 ga, asosining radiusi 9 ga teng bo'lgan konusga ichki chizilgan sharning radiusini toping.

A) $4,5$ B) 6   C) $4,5\sqrt{3}$ D) $3\sqrt{2}$

3024. 5.4-3 file-» 22 - 1 - - (315544)
Konusning balandligi 15 ga, yasovchisi 25 ga teng. Konusga ichki chizilgan sharning radiusini toping.

A) 9   **B)** $6\dfrac{2}{3}$ C) 12   D) $9\sqrt{3}$

3025. 5.4-3 file-» 6 - 8 - - (315545)
Sharning radiusi $\dfrac{4\sqrt{3}}{\sqrt{\pi}}$ ga teng. Radiusning oxiridan u bilan 60° li burchak tashkil etadigan kesuvchi tekislik o'tkazilgan. Kesimning yuzini toping.

A) 8   **B)** 12   C) 16   D) 14

3026. 5.4-3 file-» 16 - 1 - - (315546)
Qirrasi 12 ga teng bo'lgan kub yoqlarining markazlari tutashtirildi. Hosil bo'lgan jismning hajmini toping.

A) 288   B) 144   C) 169   D) 216

3027. 5.4-3 file-» 16 - 1 - - (315547)
Radiusi $3\sqrt{3}$ ga teng bo'lgan sferaga ichki chizilgan eng katta hajmli silindrning balandligini aniqlang.

A) 8   B) 9   **C)** 6   D) 7

3028. 5.4-3 file-» 16 - 2 - - (315548)
Ikkita qo'shni tomonlarining markazlari orasidagi masofa $3\sqrt{2}$ ga teng bo'lgan kubga tashqi chizilgan shar sirtining yuzini toping.

A) 72π B) 96π **C)** 108π D) 120π

3029.　　5.4-3 file-» 23 - 5 - -　　(315549)
Muntazam to'rt burchakli piramidaning balandligi 9 ga, diagonal kesimning yuzi 54 ga teng. Piramidaning hajmini toping.
A) 206　**B) 216**　C) 648　D) 128

3030.　　5.4-3 file-» 23 - 15 - - 2　　(315550)
Radiusi 15 ga teng bo'lgan sharga ichki chizilgan konusning balandligi 12 ga teng. Konusning hajmini toping.
A) 756π　B) 486π　C) 672π　**D) 864π**

3031.　　5.4-3 file-» 19 - 1 - - 3　　(315551)
Radiusi 6 ga teng shar konusga ichki chizilgan. Konus yasovchisi va balandligi orasidagi burchak 30° ga teng. Konus yon sirtining yuzini toping.
A) 48π　B) 96π　C) 72π　**D) 216π**

3032.　　5.4-3 file-» 22 - 19 - - 4　　(315552)
Balandligi 9 ga, yasovchisi 15 ga teng konusga ichki chizilgan sharning sirtining yuzini toping.
A) 56π　B) 72π　**C) 64π**　D) 48π

3033.　　5.4-3 file-» 23 - 11 - - 9　　(315553)
Radiusi 15 ga teng bo'lgan sferaga balandligi 24 ga teng bo'lgan konus ichki chizilgan. Konusning hajmini toping.
A) 852π　**B) 1152π**　C) 720π　D) 512π

3034.　　5.4-3 file-» 23 - 13 - - 11　　(315554)
Sharga ichki chizilgan konusning asosi sharning katta doirasiga teng. Konus o'q kesimining yuzi 36 ga teng. Sharning hajmini toping.
A) 432π　B) 144π　C) 334π　**D) 288π**

3035.　　5.4-3 file-» 22 - 21 - - 4　　(315555)
Konusning balandligi 24 ga, o'q kesimining perimetri 72 ga teng. Uning hajmini toping.
A) 360π　B) 720π　**C) 800π**　D) 400π

3036.　　5.4-3 file-» 22 - 21 - - 4　　(315556)
Silindrning balandligi va asosining radiusi 8 ga teng. Yuzi silindrning to'la sirtiga teng bo'lgan doiraning radiusini toping.
A) 16　B) 8　C) 9　D) 12

3037.　　5.4-3 file-» 19 - 5 - - 2　　(315557)
Konusning yasovchisi 20 ga, asosining diametri 24 ga teng. Unga ichki chizilgan shar sirtining yuzini toping.
A) 169π　B) 156π　**C) 144π**　D) 289π

3038.　　5.4-3 file-» 16 - 9 - - 10　　(315558)
Kubga ichki chizilgan silindrning hajmi 16π ga teng. Shu kubga tashqi chizilgan sferaning yuzini toping.
A) 16π　B) 32π　**C) 48π**　D) 24π

3039.　　5.4-3 file-» 23 - 20 - - 9　　(315559)
Konusning o'q kesimi muntazam uchburchakdan iborat. Uchburchakning yuzi $49\sqrt{3}$ ga teng. Konusning to'la sirtini toping.
A) 147π　B) 49π　C) 137π　D) 98π

3040.　　5.4-3 file-» 16 - 13 - - 7　　(315560)
Muntazam to'rtburchakli prizmaning hajmi 1944 ga, yon sirti $432\sqrt{2}$ ga teng. Prizma asosining simmetriya markazidan ustki asosining uchigacha bo'lgan masofani toping.
A) 12　B) 9　**C) 15**　D) 8

3041.　　5.4-3 file-» 38 - 1 - -　　(315561)
Asosining tomonlari 12; 9 va 15 hamda asosidagi barcha ikki yoqli burchaklari 60° dan iborat bo'lgan uchburchakli piramidaning hajmini toping.
A) $54\sqrt{3}$　B) $162\sqrt{3}$　C) $108\sqrt{3}$　D) $27\sqrt{3}$

3042.　　5.4-3 file-» 50 - 81 - -　　(402121)
Quyidagi tasdiqlarning qaysilari noto'g'ri?
1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;
2) o'xshash bo'lgan ikkita jism hajmlarining nisbati ularning mos chiziqli o'lchovlari kvadratlarining nisbatiga teng;
3) silindrning hajmi asosining yuzi bilan balandligining ko'paytmasiga teng;
4) konusning hajmi asos yuzi bilan balandligi ko'paytmasining uch baravariga teng;
5) asosining radiusi R ga, yasovchisi l ga teng konus yon sirtining yuzi $2\pi Rl$ ga teng;
A) $2; 4; 5$　B) $1; 3; 4$　C) $2; 3; 5$　D) $1; 4; 5$

3043.　　5.4-3 file-» 50 - 81 - -　　(402122)
Quyidagi tasdiqlarning qaysilari noto'g'ri?
1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;
2) silindrning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;
3) konusning hajmi asos yuzi bilan balandligi ko'paytmasining uchdan biriga teng;
4) sharning hajmi $\frac{3}{4}\pi R^3$ ga teng;
5) asosining radiusi R ga, balandligi h ga teng silindr yon sirtining yuzi πRh ga teng;
A) $1; 3; 4$　**B) $2; 4; 5$**　C) $1; 2; 5$　D) $2; 3; 4$

3044. 5.4-3 file-» 50 - 81 - - (402123)

Quyidagi tasdiqlarning qaysilari noto'g'ri?

1) o'xshash bo'lgan ikkita jism hajmlarining nisbati ularning mos chiziqli o'lchovlari kublarining nisbatiga teng;

2) konusning hajmi asos yuzi bilan balandligi ko'paytmasining uch baravariga teng;

3) asosining radiusi R ga, balandligi h ga teng silindr yon sirtining yuzi $2\pi Rh$ ga teng;

4) asosining radiusi R ga, yasovchisi l ga teng konus yon sirtining yuzi $2\pi Rl$ ga teng;

5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar segmentining hajmi $\frac{2}{3}\pi R^2 H$ ga teng;

A) $2; 3; 4$ B) $1; 3; 5$ **C)** $2; 4; 5$ D) $1; 3; 4$

3045. 5.4-3 file-» 50 - 81 - - (402124)

Quyidagi tasdiqlarning qaysilari noto'g'ri?

1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;

2) o'xshash bo'lgan ikkita jism hajmlarining nisbati ularning mos chiziqli o'lchovlari kvadratlarining nisbatiga teng;

3) sharning hajmi $\frac{4}{3}\pi R^3$ ga teng;

4) asosining radiusi R ga, balandligi h ga teng silindr yon sirtining yuzi πRh ga teng;

5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar sektorining hajmi $\pi H^2(R - \frac{H}{3})$ ga teng;

A) $1; 2; 4$ B) $2; 3; 5$ C) $1; 3; 4$ **D)** $2; 4; 5$

3046. 5.4-3 file-» 50 - 81 - - (402125)

Quyidagi tasdiqlarning qaysilari noto'g'ri?

1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uch baravariga teng;

2) silindrning hajmi asosining yuzi bilan balandligining ko'paytmasiga teng;

3) konusning hajmi asos yuzi bilan balandligi ko'paytmasining uch baravariga teng;

4) asosining radiusi R ga, yasovchisi l ga teng konus yon sirtining yuzi $2\pi Rl$ ga teng;

5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar segmentining hajmi $\pi H^2(R - \frac{H}{3})$ ga teng;

A) $1; 3; 4$ B) $2; 3; 5$ C) $1; 3; 5$ D) $2; 4; 5$

3047. 5.4-3 file-» 50 - 81 - - (402126)

Quyidagi tasdiqlarning qaysilari noto'g'ri?

1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uch baravariga teng;

2) silindrning hajmi asosining yuzi bilan balandligining ko'paytmasiga teng;

3) sharning hajmi $\frac{3}{4}\pi R^3$ ga teng;

4) asosining radiusi R ga, yasovchisi l ga teng konus yon sirtining yuzi πRl ga teng;

5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar segmentining hajmi $\frac{2}{3}\pi R^2 H$ ga teng;

A) $1; 3; 5$ B) $2; 4; 5$ C) $1; 3; 4$ D) $2; 3; 5$

3048. 5.4-3 file-» 50 - 81 - - (402127)

Quyidagi tasdiqlarning qaysilari noto'g'ri?

1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;

2) o'xshash bo'lgan ikkita jism hajmlarining nisbati ularning mos chiziqli o'lchovlari kvadratlarining nisbatiga teng;

3) sharning hajmi $\frac{4}{3}\pi R^3$ ga teng;

4) asosining radiusi R ga, balandligi h ga teng silindr yon sirtining yuzi πRh ga teng;

5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar sektorining hajmi $\pi H^2(R - \frac{H}{3})$ ga teng;

A) $1; 3; 4$ **B)** $2; 4; 5$ C) $1; 2; 5$ D) $1; 3; 5$

3049. 5.4-3 file-» 50 - 81 - - (402128)

Quyidagi tasdiqlarning qaysilari noto'g'ri?

1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uch baravariga teng;

2) o'xshash bo'lgan ikkita jism hajmlarining nisbati ularning mos chiziqli o'lchovlari kublarining nisbatiga teng;

3) silindrning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;

4) asosining radiusi R ga, balandligi h ga teng silindr yon sirtining yuzi $2\pi Rh$ ga teng;

5) asosining radiusi R ga, yasovchisi l ga teng konus yon sirtining yuzi $2\pi Rl$ ga teng;

A) $1; 2; 4$ B) $2; 4; 5$ **C)** $1; 3; 5$ D) $2; 3; 5$

3050.　　5.4-3 file-» 50 - 81 - -　　　(402129)

Quyidagi tasdiqlarning qaysilari noto'g'ri?

1) o'xshash bo'lgan ikkita jism hajmlarining nisbati ularning mos chiziqli o'lchovlari kvadratlarining nisbatiga teng;

2) silindrning hajmi asosining yuzi bilan balandligining ko'paytmasiga teng;

3) konusning hajmi asos yuzi bilan balandligi ko'paytmasining uch baravariga teng;

4) asosining radiusi R ga, yasovchisi l ga teng konus yon sirtining yuzi $\pi R l$ ga teng;

5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar segmentining hajmi $\frac{2}{3}\pi R^2 H$ ga teng;

A) $1; 3; 4$　B) $2; 3; 5$　C) $2; 4; 5$　**D)** $1; 3; 5$

3051.　　5.4-3 file-» 50 - 81 - -　　　(402130)

Quyidagi tasdiqlarning qaysilari noto'g'ri?

1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uch baravariga teng;

2) silindrning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;

3) konusning hajmi asos yuzi bilan balandligi ko'paytmasining uchdan biriga teng;

4) asosining radiusi R ga, balandligi h ga teng silindr yon sirtining yuzi $\pi R h$ ga teng;

5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar sektorining hajmi $\frac{2}{3}\pi R^2 H$ ga teng;

A) $1; 2; 4$　B) $2; 3; 4$　C) $1; 2; 5$　D) $3; 4; 5$

3052.　　5.4-3 file-» 50 - 81 - -　　　(402131)

Quyidagi tasdiqlarning qaysilari noto'g'ri?

1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;

2) o'xshash bo'lgan ikkita jism hajmlarining nisbati ularning mos chiziqli o'lchovlari kvadratlarining nisbatiga teng;

3) sharning hajmi $\frac{3}{4}\pi R^3$ ga teng;

4) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar segmentining hajmi $\pi H^2(R - \frac{H}{3})$ ga teng;

5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar sektorining hajmi $\pi H^2(R - \frac{H}{3})$ ga teng;

A) $2; 3; 5$　B) $1; 4; 5$　C) $2; 4; 5$　D) $1; 3; 4$

3053.　　5.4-3 file-» 50 - 81 - -　　　(402132)

Quyidagi tasdiqlarning qaysilari noto'g'ri?

1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uch baravariga teng;

2) konusning hajmi asos yuzi bilan balandligi ko'paytmasining uchdan biriga teng;

3) asosining radiusi R ga, balandligi h ga teng silindr yon sirtining yuzi $\pi R h$ ga teng;

4) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar segmentining hajmi $\pi H^2(R - \frac{H}{3})$ ga teng;

5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar sektorining hajmi $\pi H^2(R - \frac{H}{3})$ ga teng;

A) $1; 3; 4$　**B)** $1; 3; 5$　C) $2; 4; 5$　D) $1; 2; 4$

3054.　　5.4-3 file-» 50 - 81 - -　　　(402133)

Quyidagi tasdiqlarning qaysilari noto'g'ri?

1) o'xshash bo'lgan ikkita jism hajmlarining nisbati ularning mos chiziqli o'lchovlari kublarining nisbatiga teng;

2) silindrning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;

3) sharning hajmi $\frac{4}{3}\pi R^3$ ga teng;

4) asosining radiusi R ga, yasovchisi l ga teng konus yon sirtining yuzi $2\pi R l$ ga teng;

5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar segmentining hajmi $\frac{2}{3}\pi R^2 H$ ga teng;

A) $2; 3; 5$　B) $1; 3; 4$　**C)** $2; 4; 5$　D) $1; 3; 5$

3055.　　5.4-3 file-» 50 - 81 - -　　　(402134)

Quyidagi tasdiqlarning qaysilari noto'g'ri?

1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;

2) o'xshash bo'lgan ikkita jism hajmlarining nisbati ularning mos chiziqli o'lchovlari kvadratlarining nisbatiga teng;

3) konusning hajmi asos yuzi bilan balandligi ko'paytmasining uch baravariga teng;

4) asosining radiusi R ga, balandligi h ga teng silindr yon sirtining yuzi $2\pi R h$ ga teng;

5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar sektorining hajmi $\pi H^2(R - \frac{H}{3})$ ga teng;

A) $1; 3; 4$　B) $2; 4; 5$　C) $1; 4; 5$　**D)** $2; 3; 5$

3056.   5.4-3 file-» 50 - 81 - -   (402135)
Quyidagi tasdiqlarning qaysilari noto'g'ri?
1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uch baravariga teng;
2) silindrning hajmi asosining yuzi bilan balandligining ko'paytmasiga teng;
3) sharning hajmi $\frac{3}{4}\pi R^3$ ga teng;
4) asosining radiusi R ga, yasovchisi l ga teng konus yon sirtining yuzi $2\pi Rl$ ga teng;
5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar sektorining hajmi $\frac{2}{3}\pi R^2 H$ ga teng;
A) 1; 3; 4   B) 2; 3; 5   C) 1; 4; 5   D) 2; 4; 5

3057.   5.4-3 file-» 22 - 11 - -   (402136)
Hajmi 384 bo'lgan to'rt burchakli muntazam piramida asosining tomoni 12 ga teng. Piramida yon sirtining yuzini toping.
A) 576   **B)** 240   C) 288   D) 480

3058.   5.4-3 file-» 22 - 12 - -   (402137)
Asosining tomonlari 10; 17 va 21 bo'lgan uchburchakli to'g'ri prizmaning yon qirrasi asosining kichik balandligiga teng. Prizmaning hajmini toping.
A) 224   **B)** 672   C) 840   D) 368

3059.   5.4-3 file-» 22 - 12 - -   (402138)
Hajmi 10368 bo'lgan to'rt burchakli muntazam piramida asosining tomoni 36 ga teng. Piramida yon sirtining yuzini toping.
A) 1080   **B)** 2160   C) 720   D) 1800

3060.   5.4-3 file-» 22 - 14 - -   (402139)
To'g'ri prizmaning asosi gipotenuzasi $24\sqrt{2}$ ga teng bo'lgan teng yonli to'g'ri burchakli uchburchakdan iborat. Kateti orqali o'tgan yon yog'ining diagonali esa 26 ga teng. Prizmaning hajmini toping.
A) 2880   B) 960   C) 5760   D) 1920

3061.   5.4-3 file-» 22 - 1 - -   (402140)
Uchburchakli to'g'ri prizmaning asosi tomonlari 29; 25 va 6 ga, yon qirrasi esa asosining katta balandligiga teng. Prizmaning hajmini toping.
A) 1425   B) 878   C) 400   **D)** 1200

3062.   5.4-3 file-» 12 - 1 - -   (402141)
Konus asosiga tomoni $6\sqrt{3}$ bo'lgan muntazam uchburchak ichki chizilgan. Konus yasovchisi 10 bo'lsa, uning hajmini toping.
A) 72π B) 48π C) 36π **D)** 96π

3063.   5.4-3 file-» 16 - 2 - -   (402142)
Kesik konusga shar ichki chizilgan. Konusning ustki asosini yuzi 36π ga, ostki asosiniki esa 64π ga teng. Shar sirtining yuzini toping.
A) 172π **B)** 192π C) 144π D) 156π

3064.   5.4-3 file-» 13 - 1 - - 1   (402143)
To'rtburchakli muntazam kesik piramida asoslarining tomonlari 8 va 2 ga, balandligi 4 ga teng. Uning to'la sirtini toping.
A) 168   B) 169   C) 168,1   D) 170

3065.   5.4-3 file-» 2 - 2 - - 8   (402144)
Hajmi $85\frac{1}{3}$ ga teng bo'lgan muntazam to'rtburchakli piramidaning asosidagi ikki yoqli burchaklari 45°. Piramida asosining tomonini toping.
A) 6   **B)** 8   C) 4   D) 12

3066.   5.4-3 file-» 2 - 3 - - 2   (402145)
Uchburchakli piramida asosining tomonlari 9; 10 va 17 ga teng. Piramidaning barcha yon yoqlari asos tekisligi bilan 45° li burchak tashkil etsa, uning hajmini toping.
A) 24   B) 36   C) 32   D) 21

3067.   5.4-3 file-» 19 - 2 - - 3   (402146)
Muntazam uchburchakli prizmaning hajmi $27\sqrt{3}$ ga, asosiga tashqi chizilgan aylananing radiusi esa 2 ga teng. Prizmaning balandligini toping.
A) 12   **B)** 9   C) 6   D) 15

3068.   5.4-3 file-» 22 - 21 - - 4   (402147)
To'g'ri parallelepipedning asosi rombdan iborat bo'lib, uning diagonallari nisbati 2:5 kabi. Parallelepipedning diagonallari 10 va 17 ga teng bo'lsa, uning hajmini toping.
A) 360   B) 240   C) 720   D) 480

3069.   5.4-3 file-» 23 - 18 - - 7   (402148)
Teng tomonli konus o'q kesimining yuzi $16\sqrt{3}$ ga teng. Shu konus yon sirtining yuzini toping.
A) 30π **B)** 32π C) 34π D) 28π

3070.   5.4-3 file-» 22 - 22 - - 11   (402149)
Konus asosining yuzi 9π ga, yon sirtining yuzi 15π ga teng. Shu konusga ichki chizilgan sferaning radiusini toping.
A) 1,5   B) 1,8   C) 2   D) 2,4

3071.   5.4-3 file-» 2 - 45 - - 4   (402150)
To'rtburchakli muntazam piramidaning balandligi 15 ga, diagonal kesimining yuzi 120 ga teng. Shu piramidaning hajmini toping.
A) 640   B) 1280   C) 980   D) 600

3072.   5.4-3 file-» 50 - 126 - -   (704674)
Muntazam to'rtburchakli piramidaning yon sirti $144\sqrt{2}$ ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{4}$ ga teng. Piramidaning hajmini toping.
A) $144\sqrt{2}$ B) $288\sqrt{2}$ C) $432\sqrt{2}$ **D)** 288

3073. 5.4-3 file-» 50 - 126 - - (704675)
Muntazam to'rtburchakli piramidaning yon sirti $324\sqrt{2}$ ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{4}$ ga teng. Piramidaning hajmini toping.
A) 972 B) $486\sqrt{2}$ C) $972\sqrt{2}$
D) $1458\sqrt{2}$

3074. 5.4-3 file-» 50 - 126 - - (704676)
Muntazam to'rtburchakli piramidaning yon sirti $576\sqrt{2}$ ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{4}$ ga teng. Piramidaning hajmini toping.
A) $3456\sqrt{2}$ **B) 2304** C) $1152\sqrt{2}$
D) $2304\sqrt{2}$

3075. 5.4-3 file-» 50 - 126 - - (704677)
Muntazam to'rtburchakli piramidaning yon sirti 72 ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{3}$ ga teng. Piramidaning hajmini toping.
A) 72 B) $54\sqrt{3}$ **C) $36\sqrt{3}$** D) $18\sqrt{3}$

3076. 5.4-3 file-» 50 - 126 - - (704678)
Muntazam to'rtburchakli piramidaning yon sirti 288 ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{3}$ ga teng. Piramidaning hajmini toping.
A) $144\sqrt{3}$ B) 576 C) $432\sqrt{3}$ **D) $288\sqrt{3}$**

3077. 5.4-3 file-» 50 - 126 - - (704679)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 6 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{6}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) 1728 **B) $768\sqrt{3}$** C) 1152 D) $192\sqrt{3}$

3078. 5.4-3 file-» 50 - 126 - - (704680)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 3 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{4}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) $36\sqrt{2}$ B) $108\sqrt{2}$ **C) $72\sqrt{2}$** D) 72

3079. 5.4-3 file-» 50 - 126 - - (704681)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 3 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{3}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) 48 B) 72 C) $72\sqrt{3}$ **D) 96**

3080. 5.4-3 file-» 50 - 126 - - (704682)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 3 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{6}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) $96\sqrt{3}$ B) 144 C) $24\sqrt{3}$ D) 216

3081. 5.4-3 file-» 50 - 126 - - (704683)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 6 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{4}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) $864\sqrt{2}$ **B) $576\sqrt{2}$** C) 576 D) $288\sqrt{2}$

3082. 5.4-3 file-» 50 - 126 - - (704684)
Uchburchakli piramida asosining tomonlari 3; 6 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $2\sqrt{3}$ **B) $4\sqrt{3}$** C) $12\sqrt{3}$ D) $8\sqrt{3}$

3083. 5.4-3 file-» 50 - 126 - - (704685)
Uchburchakli piramida asosining tomonlari 3; 8 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $12\sqrt{3}$ B) $3\sqrt{3}$ **C) $6\sqrt{3}$** D) $18\sqrt{3}$

3084. 5.4-3 file-» 50 - 126 - - (704686)
Uchburchakli piramida asosining tomonlari 4; 6 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $18\sqrt{3}$ B) $12\sqrt{3}$ C) $3\sqrt{3}$ **D) $6\sqrt{3}$**

3085. 5.4-3 file-» 50 - 126 - - (704687)
Uchburchakli piramida asosining tomonlari 4; 7 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $7\sqrt{3}$ B) $21\sqrt{3}$ C) $14\sqrt{3}$ D) $\frac{7\sqrt{3}}{2}$

3086. 5.4-3 file-» 50 - 126 - - (704688)
Uchburchakli piramida asosining tomonlari 4; 8 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $4\sqrt{3}$ **B) $8\sqrt{3}$** C) $24\sqrt{3}$ D) $16\sqrt{3}$

3087. 5.4-3 file-» 50 - 126 - - (704689)
Uchburchakli piramida asosining tomonlari 3; 8 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) 48   B) 32   C) 8   **D) 16**

3088. 5.4-3 file-» 50 - 126 - - (704690)
Uchburchakli piramida asosining tomonlari 3; 8 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) 18   B) 54   C) 36   D) 9

3089. 5.4-3 file-» 50 - 126 - - (704691)
Uchburchakli piramida asosining tomonlari 3; 8 va 10 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) 10   **B) 20**   C) 60   D) 40

3090. 5.4-3 file-» 50 - 126 - - (704692)
Uchburchakli piramida asosining tomonlari 4; 6 va 4 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) 16   B) 4   **C) 8**   D) 24

3091. 5.4-3 file-» 50 - 126 - - (704693)
Uchburchakli piramida asosining tomonlari 4; 5 va 6 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) 30   B) 20   C) 5   **D) 10**

3092. 5.4-3 file-» 50 - 126 - - (704694)
Uchburchakli piramida asosining tomonlari 4; 6 va 7 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) 14   B) 42   C) 28   D) 7

3093. 5.4-3 file-» 50 - 126 - - (704695)
Uchburchakli piramida asosining tomonlari 4; 6 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) 8   **B) 16**   C) 48   D) 32

3094. 5.4-3 file-» 50 - 126 - - (704696)
Uchburchakli piramida asosining tomonlari 4; 6 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) 36   B) 9   **C) 18**   D) 54

3095. 5.4-3 file-» 50 - 126 - - (704697)
Uchburchakli piramida asosining tomonlari 3; 8 va 10 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $10\sqrt{3}$ **B) $20\sqrt{3}$**   C) $60\sqrt{3}$ D) $40\sqrt{3}$

3096. 5.4-3 file-» 50 - 126 - - (704698)
Uchburchakli piramida asosining tomonlari 4; 6 va 4 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $16\sqrt{3}$ B) $4\sqrt{3}$ **C) $8\sqrt{3}$**   D) $24\sqrt{3}$

3097. 5.4-3 file-» 50 - 126 - - (704699)
Uchburchakli piramida asosining tomonlari 4; 5 va 6 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $30\sqrt{3}$ B) $20\sqrt{3}$ C) $5\sqrt{3}$ **D) $10\sqrt{3}$**

3098. 5.4-3 file-» 50 - 126 - - (704700)
Uchburchakli piramida asosining tomonlari 4; 6 va 7 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $14\sqrt{3}$ B) $42\sqrt{3}$ C) $28\sqrt{3}$ D) $7\sqrt{3}$

3099. 5.4-3 file-» 50 - 126 - - (704701)
Uchburchakli piramida asosining tomonlari 4; 6 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $8\sqrt{3}$ **B) $16\sqrt{3}$**   C) $48\sqrt{3}$ D) $32\sqrt{3}$

3100. 5.4-3 file-» 50 - 126 - - (704702)
Uchburchakli piramida asosining tomonlari 4; 6 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $36\sqrt{3}$ B) $9\sqrt{3}$ **C) $18\sqrt{3}$**   D) $54\sqrt{3}$

3101.   5.4-3 file-» 50 - 126 - -   (704703)
Uchburchakli piramida asosining tomonlari 4; 8 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $72\sqrt{3}$ B) $48\sqrt{3}$ C) $12\sqrt{3}$ **D) $24\sqrt{3}$**

3102.   5.4-3 file-» 51 - 1 - -   (719710)
Konusning yasovchisi 15 ga, asosining diametri 24 ga teng. Shu konusga ichki chizilgan shar sirtining yuzini toping.
A) 64π   B) $\frac{64\pi}{3}$ C) 16π D) 48π

3103.   5.4-3 file-» 51 - 2 - -   (719711)
R radiusli sharga ichki chizilgan konusning yasovchisi asos tekisligi bilan β burchak tashkil etadi. Konusning balandligini toping.
A) $2R\sin^2\beta$ B) $2R\cos^2\beta$ C) $2R\sin\beta$ D) $2R\cos\beta$

3104.   5.4-3 file-» 51 - 2 - -   (719712)
Konus o'q kesimining uchidagi burchagi 120° ga teng. Uning yasovchisi va balandligi uzunliklarining yig'indisi 3 ga teng. Konus yon sirtining yuzini toping.
A) $\sqrt{3}\pi$ B) 3π C) $3\sqrt{3}\pi$ **D) $2\sqrt{3}\pi$**

3105.   5.4-3 file-» 51 - 2 - -   (719713)
To'g'ri prizmaning asosi tomonlari 9, 12 va 15 ga teng bo'lgan uchburchakdan iborat. Agar prizmaning balandligi 6 ga teng bo'lsa, unga ichki chizilgan silindrning hajmini toping.
A) 54π   B) 18π C) 36π D) 63π

3106.   5.4-3 file-» 51 - 2 - -   (719714)
Silindr o'q kesimining diagonali 25 ga, asosining radiusi $3,5$ ga teng. Silindr yon sirtining yuzini toping.
A) $192,5\pi$ B) 175π **C) 168π**   D) 294π

3107.   5.4-3 file-» 50 - 133 - -   (719715)
Muntazam to'rtburchakli piramidaning yon sirti $24\sqrt{3}$ ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{6}$ ga teng. Piramidaning hajmini toping.
A) 54   **B) $12\sqrt{3}$**   C) 18   D) $24\sqrt{3}$

3108.   5.4-3 file-» 50 - 133 - -   (719716)
Muntazam to'rtburchakli piramidaning yon sirti $96\sqrt{3}$ ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{6}$ ga teng. Piramidaning hajmini toping.
A) $192\sqrt{3}$ B) 432   **C) $96\sqrt{3}$**   D) 144

3109.   5.4-3 file-» 50 - 133 - -   (719717)
Muntazam to'rtburchakli piramidaning yon sirti $216\sqrt{3}$ ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{6}$ ga teng. Piramidaning hajmini toping.
A) 486   B) $648\sqrt{3}$ C) 1458   **D) $324\sqrt{3}$**

3110.   5.4-3 file-» 50 - 133 - -   (719718)
Muntazam to'rtburchakli piramidaning yon sirti $384\sqrt{3}$ ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{6}$ ga teng. Piramidaning hajmini toping.
A) $768\sqrt{3}$ B) 1152   C) $1536\sqrt{3}$ D) 3456

3111.   5.4-3 file-» 50 - 133 - -   (719719)
Muntazam to'rtburchakli piramidaning yon sirti $36\sqrt{2}$ ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{4}$ ga teng. Piramidaning hajmini toping.
A) $54\sqrt{2}$ **B) 36**   C) $18\sqrt{2}$ D) $36\sqrt{2}$

3112.   5.4-3 file-» 50 - 133 - -   (719720)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 6 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{3}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) 384   B) 576   C) $576\sqrt{3}$ **D) 768**

3113.   5.4-3 file-» 50 - 133 - -   (719721)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 2 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{4}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) $\frac{64\sqrt{2}}{3}$ B) $\frac{64}{3}$ C) $\frac{32\sqrt{2}}{3}$ D) $32\sqrt{2}$

3114.   5.4-3 file-» 50 - 133 - -   (719722)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 2 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{3}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) $\frac{64\sqrt{3}}{3}$ **B) $\frac{256}{9}$**   C) $\frac{128}{9}$ D) $\frac{64}{3}$

3115.   5.4-3 file-» 50 - 133 - -   (719723)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 2 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{6}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) $\frac{64\sqrt{3}}{9}$ B) 64   **C) $\frac{256\sqrt{3}}{9}$**   D) $\frac{128}{3}$

3116.   5.4-3 file-» 50 - 133 - -   (719724)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 4 ga teng. Uning yon yoqlari asos tekisligi bilan $\dfrac{\pi}{4}$ burchak hosil qiladi. Piramidaning hajmini toping.

A) $\dfrac{512}{3}$ B) $\dfrac{256\sqrt{2}}{3}$ C) $256\sqrt{2}$

D) $\dfrac{512\sqrt{2}}{3}$

3117.   5.4-3 file-» 50 - 133 - -   (719725)
Uchburchakli piramida asosining tomonlari 1; 6 va 6 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) $\dfrac{\sqrt{3}}{2}$ **B)** $\sqrt{3}$ C) $3\sqrt{3}$ D) $2\sqrt{3}$

3118.   5.4-3 file-» 50 - 133 - -   (719726)
Uchburchakli piramida asosining tomonlari 2; 8 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) $8\sqrt{3}$ B) $2\sqrt{3}$ **C)** $4\sqrt{3}$ D) $12\sqrt{3}$

3119.   5.4-3 file-» 50 - 133 - -   (719727)
Uchburchakli piramida asosining tomonlari 2; 9 va 10 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) $15\sqrt{3}$ B) $10\sqrt{3}$ C) $\dfrac{5\sqrt{3}}{2}$ **D)** $5\sqrt{3}$

3120.   5.4-3 file-» 50 - 133 - -   (719728)
Uchburchakli piramida asosining tomonlari 3; 4 va 6 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) $2\sqrt{3}$ B) $6\sqrt{3}$ C) $4\sqrt{3}$ D) $\sqrt{3}$

3121.   5.4-3 file-» 50 - 133 - -   (719729)
Uchburchakli piramida asosining tomonlari 3; 6 va 6 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) $\dfrac{3\sqrt{3}}{2}$ **B)** $3\sqrt{3}$ C) $9\sqrt{3}$ D) $6\sqrt{3}$

3122.   5.4-3 file-» 50 - 133 - -   (719730)
Uchburchakli piramida asosining tomonlari 2; 3 va 4 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) 2   B) 6   C) 4   D) 1

3123.   5.4-3 file-» 50 - 133 - -   (719731)
Uchburchakli piramida asosining tomonlari 2; 8 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) 12   B) 36   C) 24   D) 6

3124.   5.4-3 file-» 50 - 133 - -   (719732)
Uchburchakli piramida asosining tomonlari 3; 4 va 4 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) 4   B) 12   C) 8   D) 2

3125.   5.4-3 file-» 50 - 133 - -   (719733)
Uchburchakli piramida asosining tomonlari 3; 4 va 6 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) 6   B) 18   C) 12   D) 3

3126.   5.4-3 file-» 50 - 133 - -   (719734)
Uchburchakli piramida asosining tomonlari 3; 6 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) 12   B) 36   C) 24   D) 6

3127.   5.4-3 file-» 50 - 133 - -   (719735)
Uchburchakli piramida asosining tomonlari 3; 7 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) 14   B) 42   C) 28   D) 7

3128.   5.4-3 file-» 50 - 133 - -   (719736)
Uchburchakli piramida asosining tomonlari 3; 8 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) 16   B) 48   C) 32   D) 8

3129.   5.4-3 file-» 50 - 133 - -   (719737)
Uchburchakli piramida asosining tomonlari 2; 3 va 4 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{3}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) $2\sqrt{3}$ B) $6\sqrt{3}$ C) $4\sqrt{3}$ D) $\sqrt{3}$

3130.   5.4-3 file-» 50 - 133 - -   (719738)
Uchburchakli piramida asosining tomonlari 2; 8 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{3}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) $12\sqrt{3}$ B) $36\sqrt{3}$ C) $24\sqrt{3}$ D) $6\sqrt{3}$

3131.   5.4-3 file-» 50 - 133 - -   (719739)
Uchburchakli piramida asosining tomonlari 3; 4 va 4 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{3}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) $4\sqrt{3}$ B) $12\sqrt{3}$ C) $8\sqrt{3}$ D) $2\sqrt{3}$

3132.   5.4-3 file-» 50 - 133 - -   (719740)
Uchburchakli piramida asosining tomonlari 3; 4 va 6 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{3}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) $6\sqrt{3}$ B) $18\sqrt{3}$ C) $12\sqrt{3}$ D) $3\sqrt{3}$

3133.   5.4-3 file-» 50 - 133 - -   (719741)
Uchburchakli piramida asosining tomonlari 3; 6 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{3}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) $12\sqrt{3}$ B) $36\sqrt{3}$ C) $24\sqrt{3}$ D) $6\sqrt{3}$

3134.   5.4-3 file-» 50 - 133 - -   (719742)
Uchburchakli piramida asosining tomonlari 3; 7 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{3}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) $14\sqrt{3}$ B) $42\sqrt{3}$ C) $28\sqrt{3}$ D) $7\sqrt{3}$

3135.   5.4-3 file-» 50 - 133 - -   (719743)
Uchburchakli piramida asosining tomonlari 3; 8 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{3}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) $16\sqrt{3}$ B) $48\sqrt{3}$ C) $32\sqrt{3}$ D) $8\sqrt{3}$

3136.   5.4-3 file-» 50 - 133 - -   (719744)
Uchburchakli piramida asosining tomonlari 3; 8 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\dfrac{\pi}{3}$ burchak ostida og'ishgan. Piramidaning hajmini toping.

A) $18\sqrt{3}$ B) $54\sqrt{3}$ C) $36\sqrt{3}$ D) $9\sqrt{3}$

3137.   5.4-4 file-» 22 - 1 - -   (36780)
Конуснинг баландлиги 15 га, ясовчиси 25 га тенг. Конусга ички чизилган шарнинг радиусини топинг.

A) 9   **B)** $6\dfrac{2}{3}$ C) 12   D) $9\sqrt{3}$

3138.   5.4-4 file-» 6 - 8 - -   (56513)
Шарнинг радиуси $\dfrac{4\sqrt{3}}{\sqrt{\pi}}$ га тенг. Радиуснинг охиридан у билан $60°$ ли бурчак ташкил этадиган кесувчи текислик ўтказилган. Кесимнинг юзини топинг.

A) 8   **B)** 12   C) 16   D) 14

3139.   5.4-4 file-» 16 - 1 - -   (56850)
Радиуси $3\sqrt{3}$ га тенг бўлган сферага ички чизилган энг катта ҳажмли цилиндрнинг баландлигини аниқланг.

A) 8   B) 9   **C)** 6   D) 7

3140.   5.4-4 file-» 16 - 2 - -   (56888)
Иккита қўшни томонларининг марказлари орасидаги масофа $3\sqrt{2}$ га тенг бўлган кубга ташқи чизилган шар сиртининг юзини топинг.

A) 72π B) 96π **C)** 108π D) 120π

3141.   5.4-4 file-» 23 - 11 - - 9   (71007)
Радиуси 15 га тенг бўлган сферага баландлиги 24 га тенг бўлган конус ички чизилган. Конуснинг ҳажмини топинг.

A) 852π **B)** 1152π C) 720π D) 512π

3142.   5.4-4 file-» 22 - 21 - - 4   (105972)
Конуснинг баландлиги 24 га, ўқ кесимининг периметри 72 га тенг. Унинг ҳажмини топинг.

A) 360π B) 720π **C)** 800π D) 400π

3143.   5.4-4 file-» 16 - 9 - - 10   (131124)
Кубга ички чизилган цилиндрнинг ҳажми 16π га тенг. Шу кубга ташқи чизилган сферанинг юзини топинг.

A) 16π B) 32π **C)** 48π D) 24π

3144.   5.4-4 file-» 23 - 20 - - 9   (132701)
Конуснинг ўқ кесими мунтазам учбурчакдан иборат. Учбурчакнинг юзи $49\sqrt{3}$ га тенг. Конуснинг тўла сиртини топинг.

A) 147π B) 49π C) 137π D) 98π

3145. 5.4-4 file-» 16 - 13 - - 7 (147449)
Мунтазам тўртбурчакли призманинг ҳажми 1944 га, ён сирти $432\sqrt{2}$ га тенг. Призма асосининг симметрия марказидан устки асосининг учигача бўлган масофани топинг.
A) 12   B) 9   **C) 15**   D) 8

3146. 5.4-4 file-» 38 - 1 - - (151367)
Асосининг томонлари 12; 9 ва 15 ҳамда асосидаги барча икки ёқли бурчаклари $60°$ дан иборат бўлган учбурчакли пирамиданинг ҳажмини топинг.
A) $54\sqrt{3}$ B) $162\sqrt{3}$ C) $108\sqrt{3}$ D) $27\sqrt{3}$

3147. 6.1-1 file-» 50 - 137 - - (704705)
Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = 11$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $\dfrac{6}{5}$ **B) $-\dfrac{5}{6}$**   C) $-\dfrac{6}{5}$ D) $\dfrac{5}{6}$

3148. 6.1-1 file-» 50 - 137 - - (704706)
Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = \dfrac{19}{5}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $\dfrac{7}{12}$ B) $\dfrac{12}{7}$ **C) $-\dfrac{7}{12}$**   D) $-\dfrac{12}{7}$

3149. 6.1-1 file-» 50 - 137 - - (704707)
Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = -31$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $-\dfrac{15}{16}$ B) $\dfrac{16}{15}$ C) $\dfrac{15}{16}$ **D) $-\dfrac{16}{15}$**

3150. 6.1-1 file-» 50 - 137 - - (704708)
Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = \dfrac{29}{11}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $-\dfrac{9}{20}$ B) $-\dfrac{20}{9}$ C) $\dfrac{9}{20}$ D) $\dfrac{20}{9}$

3151. 6.1-1 file-» 50 - 137 - - (704709)
Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = \dfrac{41}{19}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $\dfrac{30}{11}$ **B) $-\dfrac{11}{30}$**   C) $-\dfrac{30}{11}$ D) $\dfrac{11}{30}$

3152. 6.1-1 file-» 50 - 137 - - (704710)
Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = \dfrac{59}{11}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $\dfrac{24}{35}$ B) $\dfrac{35}{24}$ **C) $-\dfrac{24}{35}$**   D) $-\dfrac{35}{24}$

3153. 6.1-1 file-» 50 - 137 - - (704711)
Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = -11$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
A) $\dfrac{6}{5}$ **B) $-\dfrac{5}{6}$**   C) $-\dfrac{6}{5}$ D) $\dfrac{5}{6}$

3154. 6.1-1 file-» 50 - 137 - - (704712)
Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = -\dfrac{19}{5}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
A) $\dfrac{7}{12}$ B) $\dfrac{12}{7}$ **C) $-\dfrac{7}{12}$**   D) $-\dfrac{12}{7}$

3155. 6.1-1 file-» 50 - 137 - - (704713)
Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = 31$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
A) $-\dfrac{15}{16}$ B) $\dfrac{16}{15}$ C) $\dfrac{15}{16}$ **D) $-\dfrac{16}{15}$**

3156. 6.1-1 file-» 50 - 137 - - (704714)
Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = -\dfrac{29}{11}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
A) $-\dfrac{9}{20}$ B) $-\dfrac{20}{9}$ C) $\dfrac{9}{20}$ D) $\dfrac{20}{9}$

3157. 6.1-1 file-» 50 - 137 - - (704715)
Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = -\dfrac{41}{19}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
A) $\dfrac{30}{11}$ **B) $-\dfrac{11}{30}$**   C) $-\dfrac{30}{11}$ D) $\dfrac{11}{30}$

3158. 6.1-1 file-» 50 - 137 - - (704716)
Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = -\dfrac{59}{11}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
A) $\dfrac{24}{35}$ B) $\dfrac{35}{24}$ **C) $-\dfrac{24}{35}$**   D) $-\dfrac{35}{24}$

3159. 6.1-1 file-» 50 - 137 - - (704717)
Agar $tg\left(\dfrac{\pi}{4} + \alpha\right) = \dfrac{17}{7}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $-\dfrac{12}{5}$ **B) $\dfrac{5}{12}$**   C) $\dfrac{12}{5}$ D) $-\dfrac{5}{12}$

3160. 6.1-1 file-» 50 - 137 - - (704718)
Agar $tg\left(\dfrac{\pi}{4} + \alpha\right) = \dfrac{31}{17}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $-\dfrac{7}{24}$ B) $-\dfrac{24}{7}$ **C) $\dfrac{7}{24}$**   D) $\dfrac{24}{7}$

3161. 6.1-1 file-» 50 - 137 - - (704719)
Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=\dfrac{23}{7}$ bo'lsa, $tg\alpha$ ning qiymatini toping.

A) $\dfrac{15}{8}$ B) $-\dfrac{8}{15}$ C) $-\dfrac{15}{8}$ **D)** $\dfrac{8}{15}$

3162. 6.1-1 file-» 50 - 137 - - (704720)
Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=\dfrac{49}{31}$ bo'lsa, $tg\alpha$ ning qiymatini toping.

A) $\dfrac{9}{40}$ B) $\dfrac{40}{9}$ C) $-\dfrac{9}{40}$ D) $-\dfrac{40}{9}$

3163. 6.1-1 file-» 50 - 137 - - (704721)
Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=\dfrac{71}{49}$ bo'lsa, $tg\alpha$ ning qiymatini toping.

A) $-\dfrac{60}{11}$ **B)** $\dfrac{11}{60}$ C) $\dfrac{60}{11}$ D) $-\dfrac{11}{60}$

3164. 6.1-1 file-» 50 - 137 - - (704722)
Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=\dfrac{47}{23}$ bo'lsa, $tg\alpha$ ning qiymatini toping.

A) $-\dfrac{12}{35}$ B) $-\dfrac{35}{12}$ **C)** $\dfrac{12}{35}$ D) $\dfrac{35}{12}$

3165. 6.1-1 file-» 50 - 137 - - (704723)
Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=-11$ bo'lsa, $ctg\alpha$ ning qiymatini toping.

A) $-\dfrac{6}{5}$ **B)** $\dfrac{5}{6}$ C) $\dfrac{6}{5}$ D) $-\dfrac{5}{6}$

3166. 6.1-1 file-» 50 - 137 - - (704724)
Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=-\dfrac{19}{5}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.

A) $-\dfrac{7}{12}$ B) $-\dfrac{12}{7}$ **C)** $\dfrac{7}{12}$ D) $\dfrac{12}{7}$

3167. 6.1-1 file-» 50 - 137 - - (704725)
Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=31$ bo'lsa, $ctg\alpha$ ning qiymatini toping.

A) $\dfrac{15}{16}$ B) $-\dfrac{16}{15}$ C) $-\dfrac{15}{16}$ **D)** $\dfrac{16}{15}$

3168. 6.1-1 file-» 50 - 137 - - (704726)
Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=-\dfrac{29}{11}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.

A) $\dfrac{9}{20}$ B) $\dfrac{20}{9}$ C) $-\dfrac{9}{20}$ D) $-\dfrac{20}{9}$

3169. 6.1-1 file-» 50 - 137 - - (704727)
Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=-\dfrac{41}{19}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.

A) $-\dfrac{30}{11}$ **B)** $\dfrac{11}{30}$ C) $\dfrac{30}{11}$ D) $-\dfrac{11}{30}$

3170. 6.1-1 file-» 50 - 137 - - (704728)
Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=-\dfrac{59}{11}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.

A) $-\dfrac{24}{35}$ B) $-\dfrac{35}{24}$ **C)** $\dfrac{24}{35}$ D) $\dfrac{35}{24}$

3171. 6.1-1 file-» 50 - 137 - - (704729)
Agar $\cos\alpha=-\dfrac{3}{10}$ bo'lsa, $\dfrac{2\sin\alpha+\sin 2\alpha}{2\sin\alpha-\sin 2\alpha}$ ning qiymatini toping.

A) $\dfrac{13}{14}$ **B)** $\dfrac{7}{13}$ C) $\dfrac{13}{7}$ D) $\dfrac{7}{26}$

3172. 6.1-1 file-» 50 - 137 - - (704730)
Agar $\cos\alpha=-\dfrac{5}{26}$ bo'lsa, $\dfrac{2\sin\alpha+\sin 2\alpha}{2\sin\alpha-\sin 2\alpha}$ ning qiymatini toping.

A) $\dfrac{21}{62}$ B) $\dfrac{31}{42}$ **C)** $\dfrac{21}{31}$ D) $\dfrac{31}{21}$

3173. 6.1-1 file-» 50 - 137 - - (704731)
Agar $\cos\alpha=-\dfrac{7}{50}$ bo'lsa, $\dfrac{2\sin\alpha+\sin 2\alpha}{2\sin\alpha-\sin 2\alpha}$ ning qiymatini toping.

A) $\dfrac{57}{43}$ B) $\dfrac{43}{114}$ C) $\dfrac{57}{86}$ **D)** $\dfrac{43}{57}$

3174. 6.1-1 file-» 50 - 137 - - (704732)
Agar $\cos\alpha=-\dfrac{4}{17}$ bo'lsa, $\dfrac{2\sin\alpha+\sin 2\alpha}{2\sin\alpha-\sin 2\alpha}$ ning qiymatini toping.

A) $\dfrac{13}{21}$ B) $\dfrac{21}{13}$ C) $\dfrac{13}{42}$ D) $\dfrac{21}{26}$

3175. 6.1-1 file-» 50 - 137 - - (704733)
Agar $\cos\alpha=-\dfrac{9}{82}$ bo'lsa, $\dfrac{2\sin\alpha+\sin 2\alpha}{2\sin\alpha-\sin 2\alpha}$ ning qiymatini toping.

A) $\dfrac{91}{146}$ **B)** $\dfrac{73}{91}$ C) $\dfrac{91}{73}$ D) $\dfrac{73}{182}$

3176. 6.1-1 file-» 50 - 137 - - (704734)
Agar $\cos\alpha=-\dfrac{11}{122}$ bo'lsa, $\dfrac{2\sin\alpha+\sin 2\alpha}{2\sin\alpha-\sin 2\alpha}$ ning qiymatini toping.

A) $\dfrac{111}{266}$ B) $\dfrac{133}{222}$ **C)** $\dfrac{111}{133}$ D) $\dfrac{133}{111}$

3177.　　6.1-1 file-» 51 - 1 - - 　　(719745)

$tg^2\alpha - sin^2\alpha$ ni soddalashtiring.

A) $tg^2\alpha \cdot sin^2\alpha$　B) $ctg^2\alpha \cdot cos^2\alpha$

C) $\dfrac{tg^2\alpha}{sin^2\alpha}$　D) $\dfrac{ctg^2\alpha}{cos^2\alpha}$

3178.　　6.1-1 file-» 51 - 2 - - 　　(719746)

Agar $tg\alpha = 2$, $\pi \leq \alpha \leq \dfrac{3\pi}{2}$ bo'lsa, $\sin\alpha$ ning qiymatini toping.

A) $-\dfrac{2}{\sqrt{5}}$　B) $-\dfrac{1}{5}$　C) $\dfrac{1}{2}$　D) $\dfrac{\sqrt{5}}{2}$

3179.　　6.1-1 file-» 50 - 142 - - 　　(719747)

Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = \dfrac{17}{7}$ bo'lsa, $tg\alpha$ ning qiymatini toping.

A) $\dfrac{12}{5}$　**B)** $-\dfrac{5}{12}$　C) $-\dfrac{12}{5}$　D) $\dfrac{5}{12}$

3180.　　6.1-1 file-» 50 - 142 - - 　　(719748)

Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = \dfrac{31}{17}$ bo'lsa, $tg\alpha$ ning qiymatini toping.

A) $\dfrac{7}{24}$　B) $\dfrac{24}{7}$　**C)** $-\dfrac{7}{24}$　D) $-\dfrac{24}{7}$

3181.　　6.1-1 file-» 50 - 142 - - 　　(719749)

Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = \dfrac{23}{7}$ bo'lsa, $tg\alpha$ ning qiymatini toping.

A) $-\dfrac{15}{8}$　B) $\dfrac{8}{15}$　C) $\dfrac{15}{8}$　**D)** $-\dfrac{8}{15}$

3182.　　6.1-1 file-» 50 - 142 - - 　　(719750)

Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = \dfrac{49}{31}$ bo'lsa, $tg\alpha$ ning qiymatini toping.

A) $-\dfrac{9}{40}$　B) $-\dfrac{40}{9}$　C) $\dfrac{9}{40}$　D) $\dfrac{40}{9}$

3183.　　6.1-1 file-» 50 - 142 - - 　　(719751)

Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = \dfrac{71}{49}$ bo'lsa, $tg\alpha$ ning qiymatini toping.

A) $\dfrac{60}{11}$　**B)** $-\dfrac{11}{60}$　C) $-\dfrac{60}{11}$　D) $\dfrac{11}{60}$

3184.　　6.1-1 file-» 50 - 142 - - 　　(719752)

Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = \dfrac{47}{23}$ bo'lsa, $tg\alpha$ ning qiymatini toping.

A) $\dfrac{12}{35}$　B) $\dfrac{35}{12}$　**C)** $-\dfrac{12}{35}$　D) $-\dfrac{35}{12}$

3185.　　6.1-1 file-» 50 - 142 - - 　　(719753)

Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = -\dfrac{17}{7}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.

A) $\dfrac{12}{5}$　**B)** $-\dfrac{5}{12}$　C) $-\dfrac{12}{5}$　D) $\dfrac{5}{12}$

3186.　　6.1-1 file-» 50 - 142 - - 　　(719754)

Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = -\dfrac{31}{17}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.

A) $\dfrac{7}{24}$　B) $\dfrac{24}{7}$　**C)** $-\dfrac{7}{24}$　D) $-\dfrac{24}{7}$

3187.　　6.1-1 file-» 50 - 142 - - 　　(719755)

Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = -\dfrac{23}{7}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.

A) $-\dfrac{15}{8}$　B) $\dfrac{8}{15}$　C) $\dfrac{15}{8}$　**D)** $-\dfrac{8}{15}$

3188.　　6.1-1 file-» 50 - 142 - - 　　(719756)

Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = -\dfrac{49}{31}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.

A) $-\dfrac{9}{40}$　B) $-\dfrac{40}{9}$　C) $\dfrac{9}{40}$　D) $\dfrac{40}{9}$

3189.　　6.1-1 file-» 50 - 142 - - 　　(719757)

Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = -\dfrac{71}{49}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.

A) $\dfrac{60}{11}$　**B)** $-\dfrac{11}{60}$　C) $-\dfrac{60}{11}$　D) $\dfrac{11}{60}$

3190.　　6.1-1 file-» 50 - 142 - - 　　(719758)

Agar $tg\left(\dfrac{\pi}{4} - \alpha\right) = -\dfrac{47}{23}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.

A) $\dfrac{12}{35}$　B) $\dfrac{35}{12}$　**C)** $-\dfrac{12}{35}$　D) $-\dfrac{35}{12}$

3191.　　6.1-1 file-» 50 - 142 - - 　　(719759)

Agar $tg\left(\dfrac{\pi}{4} + \alpha\right) = 11$ bo'lsa, $tg\alpha$ning qiymatini toping.

A) $\dfrac{5}{6}$　B) $\dfrac{6}{5}$　C) $-\dfrac{5}{6}$　D) $-\dfrac{6}{5}$

3192.　　6.1-1 file-» 50 - 142 - - 　　(719760)

Agar $tg\left(\dfrac{\pi}{4} + \alpha\right) = \dfrac{19}{5}$ bo'lsa, $tg\alpha$ning qiymatini toping.

A) $-\dfrac{12}{7}$　**B)** $\dfrac{7}{12}$　C) $\dfrac{12}{7}$　D) $-\dfrac{7}{12}$

3193. 6.1-1 file-» 50 - 142 - - (719761)

Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=31$ bo'lsa, $tg\alpha$ning qiymatini toping.

A) $-\dfrac{16}{15}$ B) $-\dfrac{15}{16}$ C) $\dfrac{16}{15}$ **D)** $\dfrac{15}{16}$

3194. 6.1-1 file-» 50 - 142 - - (719762)

Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=\dfrac{29}{11}$ bo'lsa, $tg\alpha$ning qiymatini toping.

A) $\dfrac{20}{9}$ B) $-\dfrac{9}{20}$ C) $-\dfrac{20}{9}$ **D)** $\dfrac{9}{20}$

3195. 6.1-1 file-» 50 - 142 - - (719763)

Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=\dfrac{41}{19}$ bo'lsa, $tg\alpha$ning qiymatini toping.

A) $\dfrac{11}{30}$ B) $\dfrac{30}{11}$ C) $-\dfrac{11}{30}$ D) $-\dfrac{30}{11}$

3196. 6.1-1 file-» 50 - 142 - - (719764)

Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=\dfrac{59}{11}$ bo'lsa, $tg\alpha$ning qiymatini toping.

A) $-\dfrac{35}{24}$ **B)** $\dfrac{24}{35}$ C) $\dfrac{35}{24}$ D) $-\dfrac{24}{35}$

3197. 6.1-1 file-» 50 - 142 - - (719765)

Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=-\dfrac{17}{7}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.

A) $-\dfrac{12}{5}$ **B)** $\dfrac{5}{12}$ C) $\dfrac{12}{5}$ D) $-\dfrac{5}{12}$

3198. 6.1-1 file-» 50 - 142 - - (719766)

Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=-\dfrac{31}{17}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.

A) $-\dfrac{7}{24}$ B) $-\dfrac{24}{7}$ **C)** $\dfrac{7}{24}$ D) $\dfrac{24}{7}$

3199. 6.1-1 file-» 50 - 142 - - (719767)

Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=-\dfrac{23}{7}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.

A) $\dfrac{15}{8}$ B) $-\dfrac{8}{15}$ C) $-\dfrac{15}{8}$ **D)** $\dfrac{8}{15}$

3200. 6.1-1 file-» 50 - 142 - - (719768)

Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=-\dfrac{49}{31}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.

A) $\dfrac{9}{40}$ B) $\dfrac{40}{9}$ C) $-\dfrac{9}{40}$ D) $-\dfrac{40}{9}$

3201. 6.1-1 file-» 50 - 142 - - (719769)

Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=-\dfrac{71}{49}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.

A) $-\dfrac{60}{11}$ **B)** $\dfrac{11}{60}$ C) $\dfrac{60}{11}$ D) $-\dfrac{11}{60}$

3202. 6.1-1 file-» 50 - 142 - - (719770)

Agar $tg\left(\dfrac{\pi}{4}+\alpha\right)=-\dfrac{47}{23}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.

A) $-\dfrac{12}{35}$ B) $-\dfrac{35}{12}$ **C)** $\dfrac{12}{35}$ D) $\dfrac{35}{12}$

3203. 6.1-1 file-» 50 - 142 - - (719771)

Agar $\cos\alpha=-\dfrac{3}{5}$ bo'lsa, $\dfrac{2\sin\alpha+\sin 2\alpha}{2\sin\alpha-\sin 2\alpha}$ ning qiymatini toping.

A) 2 **B)** $\dfrac{1}{4}$ C) 4 D) $\dfrac{1}{8}$

3204. 6.1-1 file-» 50 - 142 - - (719772)

Agar $\cos\alpha=-\dfrac{5}{13}$ bo'lsa, $\dfrac{2\sin\alpha+\sin 2\alpha}{2\sin\alpha-\sin 2\alpha}$ ning qiymatini toping.

A) $\dfrac{2}{9}$ B) $\dfrac{9}{8}$ **C)** $\dfrac{4}{9}$ D) $\dfrac{9}{4}$

3205. 6.1-1 file-» 50 - 142 - - (719773)

Agar $\cos\alpha=-\dfrac{7}{25}$ bo'lsa, $\dfrac{2\sin\alpha+\sin 2\alpha}{2\sin\alpha-\sin 2\alpha}$ ning qiymatini toping.

A) $\dfrac{16}{9}$ B) $\dfrac{9}{32}$ C) $\dfrac{8}{9}$ **D)** $\dfrac{9}{16}$

3206. 6.1-1 file-» 50 - 142 - - (719774)

Agar $\cos\alpha=-\dfrac{8}{17}$ bo'lsa, $\dfrac{2\sin\alpha+\sin 2\alpha}{2\sin\alpha-\sin 2\alpha}$ ning qiymatini toping.

A) $\dfrac{9}{25}$ B) $\dfrac{25}{9}$ C) $\dfrac{9}{50}$ D) $\dfrac{25}{18}$

3207. 6.1-1 file-» 50 - 142 - - (719775)

Agar $\cos\alpha=-\dfrac{9}{41}$ bo'lsa, $\dfrac{2\sin\alpha+\sin 2\alpha}{2\sin\alpha-\sin 2\alpha}$ ning qiymatini toping.

A) $\dfrac{25}{32}$ **B)** $\dfrac{16}{25}$ C) $\dfrac{25}{16}$ D) $\dfrac{8}{25}$

3208. 6.1-1 file-» 50 - 142 - - (719776)

Agar $\cos\alpha=-\dfrac{11}{61}$ bo'lsa, $\dfrac{2\sin\alpha+\sin 2\alpha}{2\sin\alpha-\sin 2\alpha}$ ning qiymatini toping.

A) $\dfrac{25}{72}$ B) $\dfrac{18}{25}$ **C)** $\dfrac{25}{36}$ D) $\dfrac{36}{25}$

3209.　　6.1-3 file-» 4 - 7 - - 　　(36010)
$tg(\alpha + \beta) = 4$, $tg(\alpha - \beta) = -2$ бўлса, $tg2\beta$ ни ҳисобланг.

A) $-\dfrac{7}{6}$　　B) $\dfrac{2}{3}$　　**C)** $-\dfrac{6}{7}$　　D) $\dfrac{3}{2}$

3210.　　6.1-3 file-» 17 - 1 - - 　　(56944)
$tg(\dfrac{1}{2}arcsin\dfrac{24}{25})$ ни ҳисобланг.

A) $\dfrac{1}{7}$　　B) $\dfrac{1}{2}$　　C) $\dfrac{1}{4}$　　**D)** $\dfrac{3}{4}$

3211.　　6.1-3 file-» 22 - 17 - - 　　(57009)
$8sin^2\dfrac{25\pi}{24} \cdot cos^2\dfrac{23\pi}{24} - 1$ ни ҳисобланг.

A) $-\dfrac{\sqrt{3}}{2}$　　B) $\dfrac{\sqrt{3}}{2}$　　C) $-\dfrac{1}{2}$　　D) $\dfrac{1}{2}$

3212.　　6.1-3 file-» 22 - 18 - - 　　(57069)
$sin^4\dfrac{17\pi}{8} - cos^4\dfrac{15\pi}{8}$ ни ҳисобланг.

A) $\dfrac{\sqrt{3}}{2}$　　B) $\dfrac{1}{2}$　　C) $-\dfrac{\sqrt{3}}{2}$　　**D)** $-\dfrac{\sqrt{2}}{2}$

3213.　　6.1-3 file-» 17 - 2 - - 12 　　(64277)
$sin(2arctg\dfrac{7}{24})$ ни ҳисобланг.

A) $\dfrac{226}{625}$　　**B)** $\dfrac{336}{625}$　　C) $\dfrac{236}{625}$　　D) $\dfrac{326}{625}$

3214.　　6.1-3 file-» 23 - 11 - - 9 　　(70987)
$M = sin82°$, $N = ctg186° sin6°$ ва $Q = cos220°$ сонларни камайиш тартибида ёзинг.
A) $N > Q > M$　　**B)** $N > M > Q$
C) $Q > M > N$　　D) $M > N > Q$

3215.　　6.1-3 file-» 23 - 13 - - 10 　　(71108)
$\dfrac{2cos^2\dfrac{\alpha}{2}}{ctg\dfrac{\alpha}{4} - tg\dfrac{\alpha}{4}}$ ни соддалаштиринг.

A) $-sin\alpha$　　B) $cos\alpha$　　C) $sin\alpha$　　**D)** $\dfrac{1}{2}sin\alpha$

3216.　　6.1-3 file-» 19 - 2 - - 3 　　(87548)
$arccos(sin(-41°))$ неча градус?
A) $-41°$　　B) $41°$　　**C)** $131°$　　D) $139°$

3217.　　6.1-3 file-» 22 - 20 - - 6 　　(96099)
$cos(2arccos\dfrac{4}{9})$ нинг қийматини топинг.

A) $\dfrac{8}{9}$　　B) $\dfrac{49}{81}$　　C) $-\dfrac{8}{9}$　　**D)** $-\dfrac{49}{81}$

3218.　　6.1-3 file-» 16 - 7 - - 6 　　(105911)
$\dfrac{3sin\alpha + 2}{5 + cos\beta} + \dfrac{3}{tg^2\gamma + ctg^2\gamma}$ ифоданинг энг катта қийматини топинг.
A) $6,25$　　B) $4,75$　　C) $3,45$　　**D)** $2,75$

3219.　　6.1-3 file-» 22 - 21 - - 4 　　(105978)
Агар $tg\alpha = 2$ бўлса, $\dfrac{2}{3 + 4cos2\alpha}$ нинг қийматини топинг.
A) $-\dfrac{10}{27}$　　B) $-3\dfrac{1}{3}$　　**C)** $3\dfrac{1}{3}$　　D) $\dfrac{10}{27}$

3220.　　6.1-3 file-» 30 - 2 - - 9 　　(112401)
$cos^284° + cos^236° + cos84° \cdot cos36°$ ни соддалаштиринг.

A) $\dfrac{3}{4}$　　B) $\dfrac{1}{2}$　　C) $\dfrac{1}{4}$　　D) $\dfrac{2}{3}$

3221.　　6.1-3 file-» 23 - 18 - - 7 　　(115472)
$cos(2arcsin\dfrac{4}{5})$ ни ҳисобланг.

A) $\dfrac{24}{25}$　　B) $\dfrac{7}{25}$　　**C)** $-\dfrac{7}{25}$　　D) $-\dfrac{24}{25}$

3222.　　6.1-3 file-» 19 - 5 - - 2 　　(123027)
Агар $sin(\alpha + \beta) = \dfrac{4}{5}$, $sin(\alpha - \beta) = \dfrac{5}{13}$ ва
$0 < \beta < \alpha < \dfrac{\pi}{4}$ бўлса, $cos\alpha + cos\beta$ нинг қийматини ҳисобланг.

A) $\sqrt{\dfrac{20}{13}}$　　B) $\dfrac{10}{\sqrt{130}}$　　**C)** $\sqrt{\dfrac{40}{13}}$　　D) $\dfrac{5}{\sqrt{130}}$

3223.　　6.1-3 file-» 2 - 41 - - 4 　　(131179)
$tg(arccos\dfrac{4}{5} - arcsin\dfrac{7}{25})$ ни ҳисобланг.

A) $\dfrac{44}{117}$　　B) $\dfrac{44}{75}$　　C) $\dfrac{4}{3}$　　D) $\dfrac{100}{117}$

3224.　　6.1-3 file-» 19 - 6 - - 8 　　(136417)
$2sin43°cos17° + 2sin^232° - 1$ ни ҳисобланг.

A) $\dfrac{1}{2}$　　B) $\dfrac{\sqrt{2}}{2}$　　**C)** $\dfrac{\sqrt{3}}{2}$　　D) 1

3225.　　6.1-3 file-» 4 - 7 - - 　　(315562)
$tg(\alpha + \beta) = 4$, $tg(\alpha - \beta) = -2$ boʻlsa, $tg2\beta$ ni hisoblang.

A) $-\dfrac{7}{6}$　　B) $\dfrac{2}{3}$　　**C)** $-\dfrac{6}{7}$　　D) $\dfrac{3}{2}$

3226.　　6.1-3 file-» 17 - 1 - - 　　(315563)
$tg(\dfrac{1}{2}arcsin\dfrac{24}{25})$ ni hisoblang.

A) $\dfrac{1}{7}$　　B) $\dfrac{1}{2}$　　C) $\dfrac{1}{4}$　　**D)** $\dfrac{3}{4}$

3227.　　6.1-3 file-» 22 - 17 - -　　　　(315564)

$8sin^2\frac{25\pi}{24} \cdot cos^2\frac{23\pi}{24} - 1$ ni hisoblang.

A) $-\frac{\sqrt{3}}{2}$　B) $\frac{\sqrt{3}}{2}$　C) $-\frac{1}{2}$　D) $\frac{1}{2}$

3228.　　6.1-3 file-» 22 - 18 - -　　　　(315565)

$sin^4\frac{17\pi}{8} - cos^4\frac{15\pi}{8}$ ni hisoblang.

A) $\frac{\sqrt{3}}{2}$　B) $\frac{1}{2}$　C) $-\frac{\sqrt{3}}{2}$　**D)** $-\frac{\sqrt{2}}{2}$

3229.　　6.1-3 file-» 17 - 2 - - 12　　　　(315566)

$sin(2arctg\frac{7}{24})$ ni hicoblang.

A) $\frac{226}{625}$　**B)** $\frac{336}{625}$　C) $\frac{236}{625}$　D) $\frac{326}{625}$

3230.　　6.1-3 file-» 23 - 11 - - 9　　　　(315567)

$M = sin82°, N = ctg186°sin6°$ va $Q = cos220°$ sonlarni kamayish tartibida yozing.

A) $N > Q > M$　**B)** $N > M > Q$
C) $Q > M > N$　D) $M > N > Q$

3231.　　6.1-3 file-» 23 - 13 - - 10　　　　(315568)

$\dfrac{2cos^2\frac{\alpha}{2}}{ctg\frac{\alpha}{4} - tg\frac{\alpha}{4}}$ ni soddalashtiring.

A) $-sin\alpha$　B) $cos\alpha$　C) $sin\alpha$　**D)** $\frac{1}{2}sin\alpha$

3232.　　6.1-3 file-» 19 - 2 - - 3　　　　(315569)

$arccos(sin(-41°))$ necha gradus?

A) $-41°$　B) $41°$　**C)** $131°$　D) $139°$

3233.　　6.1-3 file-» 22 - 20 - - 6　　　　(315570)

$cos(2arccos\frac{4}{9})$ ning qiymatini toping.

A) $\frac{8}{9}$　B) $\frac{49}{81}$　C) $-\frac{8}{9}$　**D)** $-\frac{49}{81}$

3234.　　6.1-3 file-» 16 - 7 - - 6　　　　(315571)

$\dfrac{3sin\alpha + 2}{5 + cos\beta} + \dfrac{3}{tg^2\gamma + ctg^2\gamma}$ ifodaning eng katta qiymatini toping.

A) $6,25$　B) $4,75$　C) $3,45$　**D)** $2,75$

3235.　　6.1-3 file-» 22 - 21 - - 4　　　　(315572)

Agar $tg\alpha = 2$ bo'lsa, $\dfrac{2}{3 + 4cos2\alpha}$ ning qiymatini toping.

A) $-\frac{10}{27}$　B) $-3\frac{1}{3}$　**C)** $3\frac{1}{3}$　D) $\frac{10}{27}$

3236.　　6.1-3 file-» 30 - 2 - - 9　　　　(315573)

$cos^284° + cos^236° + cos84° \cdot cos36°$ ni soddalashtiring.

A) $\frac{3}{4}$　B) $\frac{1}{2}$　C) $\frac{1}{4}$　D) $\frac{2}{3}$

3237.　　6.1-3 file-» 23 - 18 - - 7　　　　(315574)

$cos(2arcsin\frac{4}{5})$ ni hisoblang.

A) $\frac{24}{25}$　B) $\frac{7}{25}$　**C)** $-\frac{7}{25}$　D) $-\frac{24}{25}$

3238.　　6.1-3 file-» 19 - 5 - - 2　　　　(315575)

Agar $sin(\alpha + \beta) = \frac{4}{5}, sin(\alpha - \beta) = \frac{5}{13}$ va $0 < \beta < \alpha < \frac{\pi}{4}$ bo'lsa, $cos\alpha + cos\beta$ ning qiymatini hisoblang.

A) $\sqrt{\frac{20}{13}}$　B) $\frac{10}{\sqrt{130}}$　**C)** $\sqrt{\frac{40}{13}}$　D) $\frac{5}{\sqrt{130}}$

3239.　　6.1-3 file-» 2 - 41 - - 4　　　　(315576)

$tg(arccos\frac{4}{5} - arcsin\frac{7}{25})$ ni hisoblang.

A) $\frac{44}{117}$　B) $\frac{44}{75}$　C) $\frac{4}{3}$　D) $\frac{100}{117}$

3240.　　6.1-3 file-» 19 - 6 - - 8　　　　(315577)

$2sin43°cos17° + 2sin^232° - 1$ ni hisoblang.

A) $\frac{1}{2}$　B) $\frac{\sqrt{2}}{2}$　**C)** $\frac{\sqrt{3}}{2}$　D) 1

3241.　　6.1-3 file-» 6 - 8 - -　　　　(402151)

$sin105° + sin75° =?$

A) $\dfrac{\sqrt{2 + \sqrt{3}}}{2}$　B) $\dfrac{\sqrt{2 - \sqrt{3}}}{2}$　C) $\sqrt{\sqrt{3} - \sqrt{2}}$
D) $\sqrt{2 + \sqrt{3}}$

3242.　　6.1-3 file-» 13 - 4 - -　　　　(402152)

$sin75° - sin15°$ ni hisoblang.

A) $\frac{\sqrt{2}}{2}$　B) $\frac{\sqrt{3}}{2}$　C) $\sqrt{2}$　D) $-\sqrt{2}$

3243.　　6.1-3 file-» 16 - 1 - -　　　　(402153)

$cos93° \cdot cos3° + 0,5 \cdot sin6° + 2$ ni hisoblang.

A) $\frac{1}{2}$　B) 1　C) 0　**D)** 2

3244.　　6.1-3 file-» 23 - 9 - -　　　　(402154)

$tg15° - ctg15°$ ni hisoblang.

A) $2\sqrt{3}$　**B)** $-2\sqrt{3}$　C) $-\frac{2\sqrt{3}}{3}$　D) $\frac{2\sqrt{3}}{3}$

3245.　　6.1-3 file-» 23 - 16 - - 1　　　　(402155)

$\dfrac{sin35° + cos65°}{2cos5°}$ ni hisoblang.

A) $0,25$　B) $0,75$　**C)** $0,5$　D) $0,6$

3246.   6.1-3 file-» 16 - 6 - - 4   (402156)
$sin(2arctg3)$ ning qiymatini toping.
A) $0,6$ B) $0,8$ C) $0,75$ D) $0,36$

3247.   6.1-3 file-» 31 - 1 - - 8   (402157)
$cos50° cos40° - 2cos20° sin50° sin20°$ ni hisoblang.
A) 0 B) 1 C) -1 D) $cos20°$

3248.   6.1-3 file-» 19 - 4 - - 3   (402158)
$cos^2 5 + cos^2 1 - cos 6 \cdot cos 4$ ni hisoblang.
A) 0 B) $\dfrac{1}{2}$ **C)** 1 D) $1,5$

3249.   6.1-3 file-» 19 - 4 - - 3   (402159)
Agar $tg\alpha = -\dfrac{3}{4}$ va $\dfrac{\pi}{2} < \alpha < \pi$ bo'lsa, $sin\alpha - cos\alpha$ ning qiymatini toping.
A) $-\dfrac{1}{5}$ B) $\dfrac{1}{5}$ **C)** $\dfrac{7}{5}$ D) $-\dfrac{7}{5}$

3250.   6.1-3 file-» 23 - 19 - - 2   (402160)
$sin75° + \sqrt{3}cos75°$ ni hisoblang.
A) $\sqrt{3}$ **B)** $\sqrt{2}$ C) $\dfrac{\sqrt{2}}{2}$ D) $\dfrac{\sqrt{3}}{2}$

3251.   6.1-3 file-» 35 - 1 - - 1   (402161)
$tg(arctg3 + arctg7)$ ni hisoblang.
A) 0 B) $0,5$ **C)** $-0,5$ D) $0,25$

3252.   6.1-3 file-» 16 - 8 - - 3   (402162)
$cos(2arcsin\dfrac{3}{5})$ ni hisoblang.
A) $0,35$ B) $0,36$ **C)** $0,28$ D) $0,24$

3253.   6.1-3 file-» 23 - 20 - - 9   (402163)
$cos(2arcsin\dfrac{4}{5})$ ni hisoblang.
A) $-0,28$ B) $0,28$ C) $-0,26$ D) $0,26$

3254.   6.1-3 file-» 23 - 22 - - 1   (402164)
$tg\left(arctg\dfrac{1}{3} + arctg\dfrac{1}{9}\right)$ ning qiymatini hisoblang.
A) $\dfrac{6}{13}$ B) $\dfrac{8}{13}$ C) $\dfrac{5}{13}$ D) $\dfrac{4}{13}$

3255.   6.1-3 file-» 19 - 8 - - 6   (402165)
$\dfrac{sin106° - sin14°}{1 - 2cos^2 22°}$ ni hisoblang.
A) -1 B) $\dfrac{1}{2}$ C) $\dfrac{\sqrt{2}}{2}$ D) $-\dfrac{1}{2}$

3256.   6.1-3 file-» 23 - 2 - - 1   (704735)
Quyidagi sonlardan qaysi biri manfiy?
A) $tg247° \cdot sin125°$ B) $ctg215° \cdot cos300°$
C) $tg135° \cdot ctg340°$ **D)** $sin\ 247° \cdot cos\ 276°$

3257.   6.1-3 file-» 23 - 2 - - 1   (704736)
m ning qanday qiymatlarida $y = cosx + mx$ funksiya aniqlanish sohasida kamayadi?
A) $(-\infty; -1]$ B) $(-1; \infty)$ C) $[-1; \infty)$
D) $(-\infty; 1)$

3258.   6.1-3 file-» 23 - 3 - - 1   (704737)
Quyidagi sonlardan qaysi biri musbat?
A) $\dfrac{ctg187°}{sin316°}$ B) $\dfrac{cos340°}{sin185°}$ **C)** $\dfrac{sin148°}{cos317°}$
D) $\dfrac{ctg105°}{tg185°}$

3259.   6.1-3 file-» 23 - 3 - - 1   (704738)
k ning qanday qiymatlarida $f(x) = sinx - kx$ funksiya o'zining aniqlanish sohasida o'sadi?
A) $(-\infty; 1)$ B) $(1; \infty)$ C) $(-1; 0)$
D) $(-\infty; -1]$

3260.   6.1-3 file-» 23 - 4 - - 1   (704739)
k ning qanday qiymatlarida $f(x) = kx - sinx$ funksiya o'zining aniqlanish sohasida kamayadi?
A) $k \leq -1$ B) $k > -1$ C) $k < 0$
D) $k > 0$

3261.   6.1-3 file-» 2 - 1 - - 1   (704740)
$\dfrac{sin^4\alpha + 2cos\alpha \cdot sin\alpha - cos^4\alpha}{2cos^2\alpha - 1}$ ni soddalashtiring.
A) $tg2\alpha - 1$ B) $tg\alpha - 1$ C) $tg\alpha + 1$
D) $1 - tg2\alpha$

3262.   6.1-3 file-» 16 - 3 - - 1   (704741)
$sin^6 x + cos^6 x$ ifodaning eng kichik qiymatini toping.
A) $\dfrac{1}{6}$ B) $\dfrac{1}{2}$ **C)** $\dfrac{1}{4}$ D) $\dfrac{1}{8}$

3263.   6.1-3 file-» 16 - 3 - - 1   (704742)
$\dfrac{8cos2\alpha - 5cos3\beta}{7 + 2cos4\gamma}$ ifodaning eng katta qiymatini toping.
A) $2,2$ B) $2,3$ C) $2,4$ **D)** $2,6$

3264.   6.1-3 file-» 16 - 4 - - 1   (704743)
$\dfrac{5}{tg^2\alpha + ctg^2\alpha} + \dfrac{5sin2\alpha - cos\gamma}{5 + cos3t}$ ifodaning eng katta qiymatini toping.
A) 5 B) 2 C) 3 **D)** 4

3265.   6.1-3 file-» 16 - 6 - - 1   (704744)
Agar $tg\alpha = 2$ bo'lsa,
$\dfrac{2 - 5\cos 2\alpha}{6 + 10\sin 2\alpha} - \dfrac{13 + 3tg2\alpha}{10\cos 2\alpha - 15\sin 2\alpha}$ ning qiymatini hisoblang.
A) $\dfrac{3}{4}$ B) $\dfrac{4}{5}$ **C)** $\dfrac{6}{7}$ D) $\dfrac{7}{8}$

3266. 6.1-3 file-» 16 - 7 - - 1 (704745)

$\frac{3sin\alpha + 2}{5 + cos\beta} + \frac{3}{tg^2\gamma + ctg^2\gamma}$ ifodaning eng katta qiymatini toping.

A) $6,25$ B) $4,75$ C) $3,45$ **D) $2,75$**

3267. 6.1-3 file-» 22 - 21 - - 1 (704746)

Agar $tg\alpha = 2$ bo'lsa, $\frac{2}{3 + 4cos2\alpha}$ ning qiymatini toping.

A) $-\frac{10}{27}$ B) $-3\frac{1}{3}$ **C) $3\frac{1}{3}$**   D) $\frac{10}{27}$

3268. 6.1-3 file-» 23 - 19 - - 1 (704747)

$cos^6x + sin^6x - sin^2xcos^2x$ ni soddalashtiring.

A) sin^22x B) $sin4x$ C) $cos4x$
D) cos^22x

3269. 6.1-3 file-» 2 - 41 - - 1 (704748)

$tg(arccos\frac{4}{5} - arcsin\frac{7}{25})$ ni hisoblang.

A) $\frac{44}{117}$ B) $\frac{44}{75}$ C) $\frac{4}{3}$ D) $\frac{100}{117}$

3270. 6.1-3 file-» 16 - 8 - - 1 (704749)

$\frac{2\sin\alpha - 1}{5 - 2\sin\beta} + \frac{tg^2\gamma + ctg^2\gamma}{2}$ ning eng kichik qiymatini toping.

A) 0   B) 1 C) -1 D) $\frac{4}{7}$

3271. 6.1-3 file-» 5 - 4 - - 2 (719777)

$\cos 20° \cdot \cos 40° \cdot \cos 80°$ ni hisoblang.

A) $\frac{1}{2}$ B) $\frac{1}{3}$ **C) $\frac{1}{8}$**   D) $\frac{\sqrt{3}}{8}$

3272. 6.1-3 file-» 22 - 2 - - 2 (719778)

$y = 2\sin 3x + \cos 3x$ funksiyaning eng katta qiymatini toping.

A) 3 B) 2 **C) $\sqrt{5}$**   D) 4

3273. 6.1-3 file-» 22 - 3 - - 2 (719779)

$y = 2\sin x + \cos x$ funksiyaning eng katta qiymatini toping.

A) 3 **B) $\sqrt{5}$**   C) 2 D) -1

3274. 6.1-3 file-» 22 - 4 - - 2 (719780)

$y = 5\sin 2x - 12\cos 2x$ funksiyaning eng kichik qiymatini toping.

A) -7 B) 4 **C) -13**   D) $5\sqrt{2}$

3275. 6.1-3 file-» 4 - 7 - - 2 (719781)

$tg(\alpha + \beta) = 4$, $tg(\alpha - \beta) = -2$ bo'lsa, $tg2\beta$ ni hisoblang.

A) $-\frac{7}{6}$ B) $\frac{2}{3}$ **C) $-\frac{6}{7}$**   D) $\frac{3}{2}$

3276. 6.1-3 file-» 4 - 8 - - 2 (719782)

Agar $tg(x + y) = 3$ va $tg(x - y) = 2$ bo'lsa, $tg2x$ ni hisoblang.

A) 5 B) $2,5$ C) 1 **D) -1**

3277. 6.1-3 file-» 5 - 10 - - 2 (719783)

$4ctg30° + tg^215°$ ni hisoblang.

A) 5 **B) 7**   C) 9 D) 8

3278. 6.1-3 file-» 5 - 7 - - 2 (719784)

$8cos30° + tg^215°$ ni hisoblang.

A) 5 B) 6 **C) 7**   D) 8

3279. 6.1-3 file-» 13 - 4 - - 2 (719785)

Agar $5x^2 - 3x - 1 = 0$ tenglamaning ildizlari $tg\alpha$ va $tg\beta$ bo'lsa, $tg(\alpha + \beta)$ qanchaga teng bo'ladi?

A) $\frac{3}{2}$ B) 1 C) 3 **D) $\frac{1}{2}$**

3280. 6.1-3 file-» 15 - 1 - - 2 (719786)

Agar $tg\alpha + ctg\alpha = p$ bo'lsa, $tg^3\alpha + ctg^3\alpha$ ni p orqali ifodalang.

A) $-p^3 - 3p$ **B) $p^3 - 3p$**   C) $p^3 + 3p$
D) $3p - p^3$

3281. 6.1-3 file-» 51 - 1 - - (719787)

Agar $tg\alpha = -\frac{5}{4}$ va $\frac{3\pi}{2} < \alpha < 2\pi$ bo'lsa, $1 + sin2\alpha$ ni toping.

A) $\frac{1}{41}$ B) $\frac{32}{41}$ C) $1\frac{9}{32}$ D) $1\frac{40}{41}$

3282. 6.1-3 file-» 51 - 2 - - (719788)

Agar $\sin x + \cos x = \frac{\sqrt{23}}{4}$ ga teng bo'lsa, $|\sin x - \cos x|$ ning qiymatini toping.

A) $\frac{1}{3}$ **B) $\frac{3}{4}$**   C) $\frac{2}{3}$ D) $\frac{1}{4}$

3283. 6.2-1 file-» 50 - 23 - - (183697)

Қуйидаги формулалардан қайсилари тўғри?

1) $tg(x + y) = \frac{tgx + tgy}{1 - tgx \cdot tgy}$,

   $x, y, x + y \neq \frac{\pi}{2} + \pi n, n \in Z$;

2) $sin^2\frac{x}{2} = \frac{1 + cosx}{2}$;

3) $sinx + siny = 2sin\frac{x + y}{2}cos\frac{x - y}{2}$;

4) $tgx + tgy = \frac{sin(x + y)}{cosx \cdot cosy}$,

   $x, y \neq \frac{\pi}{2} + \pi n, n \in Z$.

A) $1; 3; 4$ B) $2; 3; 4$ C) $1; 2; 4$ D) $1; 2; 3$

3284. 6.2-1 file-» 50 - 23 - - (183698)

Қуйидаги формулалардан қайсилари тўғри?

1) $tg(x - y) = \dfrac{tgx - tgy}{1 + tgx \cdot tgy}$,

$\quad x, y, x - y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;

2) $sin^2\dfrac{x}{2} = \dfrac{1 - cosx}{2}$;

3) $sinx + siny = 2cos\dfrac{x + y}{2}sin\dfrac{x - y}{2}$;

4) $tgx - tgy = \dfrac{sin(x - y)}{cosx \cdot cosy}$,

$\quad x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.

A) 2; 3; 4 **B)** 1; 2; 4 C) 1; 2; 3 D) 1; 3; 4

3285. 6.2-1 file-» 50 - 23 - - (183699)

Қуйидаги формулалардан қайсилари тўғри?

1) $cos(x + y) = sinx \cdot cosy + cosx \cdot siny$;

2) $tg(x + y) = \dfrac{tgx + tgy}{1 - tgx \cdot tgy}$,

$\quad x, y, x + y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;

3) $sin^2\dfrac{x}{2} = \dfrac{1 - cosx}{2}$;

4) $sinx - siny = 2cos\dfrac{x + y}{2}sin\dfrac{x - y}{2}$.

A) 1; 2; 3 B) 1; 2; 4 **C)** 2; 3; 4 D) 1; 3; 4

3286. 6.2-1 file-» 50 - 23 - - (183700)

Қуйидаги формулалардан қайсилари тўғри?

1) $cos(x - y) = sinx \cdot cosy - cosx \cdot siny$;

2) $cos^2\dfrac{x}{2} = \dfrac{1 + cosx}{2}$;

3) $cosx + cosy = 2cos\dfrac{x + y}{2}cos\dfrac{x - y}{2}$;

4) $tgx + tgy = \dfrac{sin(x + y)}{cosx \cdot cosy}$,

$\quad x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.

A) 1; 2; 3 B) 1; 3; 4 C) 1; 2; 4 **D)** 2; 3; 4

3287. 6.2-1 file-» 50 - 23 - - (183701)

Қуйидаги формулалардан қайсилари тўғри?

1) $cos(x + y) = cosx \cdot cosy - sinx \cdot siny$;

2) $cos^2\dfrac{x}{2} = \dfrac{1 + cosx}{2}$;

3) $sinx - siny = -2cos\dfrac{x + y}{2}sin\dfrac{x - y}{2}$;

4) $tgx - tgy = \dfrac{sin(x - y)}{cosx \cdot cosy}$,

$\quad x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.

A) 1; 2; 4 B) 2; 3; 4 C) 1; 3; 4 D) 1; 2; 3

3288. 6.2-1 file-» 50 - 23 - - (183702)

Қуйидаги формулалардан қайсилари тўғри?

1) $sin(x + y) = sinx \cdot cosy + cosx \cdot siny$;

2) $tg(x + y) = \dfrac{tgx - tgy}{1 + tgx \cdot tgy}$,

$\quad x, y, x + y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;

3) $sin^2\dfrac{x}{2} = \dfrac{1 - cosx}{2}$;

4) $sinx + siny = 2sin\dfrac{x + y}{2}cos\dfrac{x - y}{2}$.

A) 2; 3; 4 **B)** 1; 3; 4 C) 1; 2; 3 D) 1; 2; 4

3289. 6.2-1 file-» 50 - 23 - - (183703)

Қуйидаги формулалардан қайсилари тўғри?

1) $tg(x - y) = \dfrac{tgx + tgy}{1 - tgx \cdot tgy}$,

$\quad x, y, x - y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;

2) $cos^2\dfrac{x}{2} = \dfrac{1 + cosx}{2}$;

3) $sinx - siny = 2cos\dfrac{x + y}{2}sin\dfrac{x - y}{2}$;

4) $tgx + tgy = \dfrac{sin(x + y)}{cosx \cdot cosy}$,

$\quad x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.

A) 1; 2; 3 B) 1; 3; 4 **C)** 2; 3; 4 D) 1; 2; 4

3290. 6.2-1 file-» 50 - 23 - - (183704)

Қуйидаги формулалардан қайсилари тўғри?

1) $sin(x - y) = sinx \cdot cosy - cosx \cdot siny$;

2) $cos^2\dfrac{x}{2} = \dfrac{1 - cosx}{2}$;

3) $cosx + cosy = 2cos\dfrac{x + y}{2}cos\dfrac{x - y}{2}$;

4) $tgx - tgy = \dfrac{sin(x - y)}{cosx \cdot cosy}$,

$\quad x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.

A) 1; 2; 4 B) 2; 3; 4 C) 1; 2; 3 **D)** 1; 3; 4

3291. 6.2-1 file-» 50 - 23 - - (183705)

Қуйидаги формулалардан қайсилари тўғри?

1) $cos(x - y) = cosx \cdot cosy + sinx \cdot siny$;

2) $tg(x - y) = \dfrac{tgx - tgy}{1 + tgx \cdot tgy}$,

$\quad x, y, x - y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;

3) $sin^2\dfrac{x}{2} = \dfrac{1 + cosx}{2}$;

4) $tgx + tgy = \dfrac{sin(x + y)}{cosx \cdot cosy}$,

$\quad x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.

A) 1; 2; 4 B) 1; 3; 4 C) 1; 2; 3 D) 2; 3; 4

3292. 6.2-1 file-» 50 - 23 - - (183706)
Қуйидаги формулалардан қайсилари тўғри?
1) $sin(x + y) = sinx \cdot cosy + cosx \cdot siny$;
2) $tg(x + y) = \dfrac{tgx + tgy}{1 - tgx \cdot tgy}$,

   $x, y, x + y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;

3) $cos^2\dfrac{x}{2} = \dfrac{1 - cosx}{2}$;

4) $sinx + siny = 2sin\dfrac{x + y}{2}cos\dfrac{x - y}{2}$.

A) $2; 3; 4$ **B) $1; 2; 4$**   C) $1; 2; 3$ D) $1; 3; 4$

3293. 6.2-1 file-» 50 - 23 - - (183707)
Қуйидаги формулалардан қайсилари тўғри?
1) $tg(x - y) = \dfrac{tgx - tgy}{1 + tgx \cdot tgy}$,

   $x, y, x - y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;

2) $cos^2\dfrac{x}{2} = \dfrac{1 - cosx}{2}$;

3) $sinx - siny = 2cos\dfrac{x + y}{2}sin\dfrac{x - y}{2}$;

4) $tgx - tgy = \dfrac{sin(x - y)}{cosx \cdot cosy}$,

   $x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.

A) $1; 2; 3$ B) $2; 3; 4$ **C) $1; 3; 4$**   D) $1; 2; 4$

3294. 6.2-1 file-» 50 - 23 - - (183708)
Қуйидаги формулалардан қайсилари тўғри?
1) $sin(x - y) = sinx \cdot cosy - cosx \cdot siny$;
2) $sin^2\dfrac{x}{2} = \dfrac{1 + cosx}{2}$;

3) $sinx + siny = 2sin\dfrac{x + y}{2}cos\dfrac{x - y}{2}$;

4) $tgx + tgy = \dfrac{sin(x + y)}{cosx \cdot cosy}$,

   $x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.

A) $2; 3; 4$ B) $1; 2; 4$ C) $1; 2; 3$ **D) $1; 3; 4$**

3295. 6.2-1 file-» 50 - 23 - - (183709)
Қуйидаги формулалардан қайсилари тўғри?
1) $cos(x + y) = cosx \cdot cosy - sinx \cdot siny$;
2) $tg(x + y) = \dfrac{tgx + tgy}{1 - tgx \cdot tgy}$,

   $x, y, x + y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;

3) $sin^2\dfrac{x}{2} = \dfrac{1 - cosx}{2}$;

4) $sinx + siny = 2cos\dfrac{x + y}{2}sin\dfrac{x - y}{2}$.

A) $1; 2; 4$ B) $2; 3; 4$ **C) $1; 2; 3$**   D) $1; 3; 4$

3296. 6.2-1 file-» 50 - 23 - - (183710)
Қуйидаги формулалардан қайсилари тўғри?
1) $cos(x - y) = cosx \cdot cosy + sinx \cdot siny$;
2) $tg(x + y) = \dfrac{tgx + tgy}{1 - tgx \cdot tgy}$,

   $x, y, x + y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;

3) $cosx + cosy = -2sin\dfrac{x + y}{2}sin\dfrac{x - y}{2}$;

4) $tgx - tgy = \dfrac{sin(x - y)}{cosx \cdot cosy}$,

   $x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.

A) $2; 3; 4$ **B) $1; 2; 4$**   C) $1; 2; 3$ D) $1; 3; 4$

3297. 6.2-1 file-» 50 - 23 - - (183711)
Қуйидаги формулалардан қайсилари тўғри?
1) $sin(x + y) = sinx \cdot cosy + cosx \cdot siny$;
2) $sin^2\dfrac{x}{2} = \dfrac{1 + cosx}{2}$;

3) $cosx + cosy = 2cos\dfrac{x + y}{2}cos\dfrac{x - y}{2}$;

4) $tgx - tgy = \dfrac{sin(x - y)}{cosx \cdot cosy}$,

   $x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.

A) $2; 3; 4$ B) $1; 2; 3$ **C) $1; 3; 4$**   D) $1; 2; 4$

3298. 6.2-1 file-» 50 - 23 - - (315578)
Quyidagi formulalardan qaysilari to'g'ri?
1) $tg(x + y) = \dfrac{tgx + tgy}{1 - tgx \cdot tgy}$,

   $x, y, x + y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;

2) $sin^2\dfrac{x}{2} = \dfrac{1 + cosx}{2}$;

3) $sinx + siny = 2sin\dfrac{x + y}{2}cos\dfrac{x - y}{2}$;

4) $tgx + tgy = \dfrac{sin(x + y)}{cosx \cdot cosy}$,

   $x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.

A) $1; 3; 4$ B) $2; 3; 4$ C) $1; 2; 4$ D) $1; 2; 3$

3299.　　6.2-1 file-» 50 - 23 - -　　(315579)

Quyidagi formulalardan qaysilari to'g'ri?

1) $tg(x - y) = \dfrac{tgx - tgy}{1 + tgx \cdot tgy}$,

$x, y, x - y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;

2) $sin^2\dfrac{x}{2} = \dfrac{1 - cosx}{2}$;

3) $sinx + siny = 2cos\dfrac{x + y}{2}sin\dfrac{x - y}{2}$;

4) $tgx - tgy = \dfrac{sin(x - y)}{cosx \cdot cosy}$,

$x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.

A) $2; 3; 4$　　**B)** $1; 2; 4$　　C) $1; 2; 3$　　D) $1; 3; 4$

3300.　　6.2-1 file-» 50 - 23 - -　　(315580)

Quyidagi formulalardan qaysilari to'g'ri?

1) $cos(x + y) = sinx \cdot cosy + cosx \cdot siny$;

2) $tg(x + y) = \dfrac{tgx + tgy}{1 - tgx \cdot tgy}$,

$x, y, x + y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;

3) $sin^2\dfrac{x}{2} = \dfrac{1 - cosx}{2}$;

4) $sinx - siny = 2cos\dfrac{x + y}{2}sin\dfrac{x - y}{2}$.

A) $1; 2; 3$　　B) $1; 2; 4$　　**C)** $2; 3; 4$　　D) $1; 3; 4$

3301.　　6.2-1 file-» 50 - 23 - -　　(315581)

Quyidagi formulalardan qaysilari to'g'ri?

1) $cos(x - y) = sinx \cdot cosy - cosx \cdot siny$;

2) $cos^2\dfrac{x}{2} = \dfrac{1 + cosx}{2}$;

3) $cosx + cosy = 2cos\dfrac{x + y}{2}cos\dfrac{x - y}{2}$;

4) $tgx + tgy = \dfrac{sin(x + y)}{cosx \cdot cosy}$,

$x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.

A) $1; 2; 3$　　B) $1; 3; 4$　　C) $1; 2; 4$　　**D)** $2; 3; 4$

3302.　　6.2-1 file-» 50 - 23 - -　　(315582)

Quyidagi formulalardan qaysilari to'g'ri?

1) $cos(x + y) = cosx \cdot cosy - sinx \cdot siny$;

2) $cos^2\dfrac{x}{2} = \dfrac{1 + cosx}{2}$;

3) $sinx - siny = -2cos\dfrac{x + y}{2}sin\dfrac{x - y}{2}$;

4) $tgx - tgy = \dfrac{sin(x - y)}{cosx \cdot cosy}$,

$x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.

A) $1; 2; 4$　　B) $2; 3; 4$　　C) $1; 3; 4$　　D) $1; 2; 3$

3303.　　6.2-1 file-» 50 - 23 - -　　(315583)

Quyidagi formulalardan qaysilari to'g'ri?

1) $sin(x + y) = sinx \cdot cosy + cosx \cdot siny$;

2) $tg(x + y) = \dfrac{tgx - tgy}{1 + tgx \cdot tgy}$,

$x, y, x + y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;

3) $sin^2\dfrac{x}{2} = \dfrac{1 - cosx}{2}$;

4) $sinx + siny = 2sin\dfrac{x + y}{2}cos\dfrac{x - y}{2}$.

A) $2; 3; 4$　　**B)** $1; 3; 4$　　C) $1; 2; 3$　　D) $1; 2; 4$

3304.　　6.2-1 file-» 50 - 23 - -　　(315584)

Quyidagi formulalardan qaysilari to'g'ri?

1) $tg(x - y) = \dfrac{tgx + tgy}{1 - tgx \cdot tgy}$,

$x, y, x - y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;

2) $cos^2\dfrac{x}{2} = \dfrac{1 + cosx}{2}$;

3) $sinx - siny = 2cos\dfrac{x + y}{2}sin\dfrac{x - y}{2}$;

4) $tgx + tgy = \dfrac{sin(x + y)}{cosx \cdot cosy}$,

$x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.

A) $1; 2; 3$　　B) $1; 3; 4$　　**C)** $2; 3; 4$　　D) $1; 2; 4$

3305.　　6.2-1 file-» 50 - 23 - -　　(315585)

Quyidagi formulalardan qaysilari to'g'ri?

1) $sin(x - y) = sinx \cdot cosy - cosx \cdot siny$;

2) $cos^2\dfrac{x}{2} = \dfrac{1 - cosx}{2}$;

3) $cosx + cosy = 2cos\dfrac{x + y}{2}cos\dfrac{x - y}{2}$;

4) $tgx - tgy = \dfrac{sin(x - y)}{cosx \cdot cosy}$,

$x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.

A) $1; 2; 4$　　B) $2; 3; 4$　　C) $1; 2; 3$　　**D)** $1; 3; 4$

3306.　　6.2-1 file-» 50 - 23 - -　　(315586)

Quyidagi formulalardan qaysilari to'g'ri?

1) $cos(x - y) = cosx \cdot cosy + sinx \cdot siny$;

2) $tg(x - y) = \dfrac{tgx - tgy}{1 + tgx \cdot tgy}$,

$x, y, x - y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;

3) $sin^2\dfrac{x}{2} = \dfrac{1 + cosx}{2}$;

4) $tgx + tgy = \dfrac{sin(x + y)}{cosx \cdot cosy}$,

$x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.

A) $1; 2; 4$　　B) $1; 3; 4$　　C) $1; 2; 3$　　D) $2; 3; 4$

3307.   6.2-1 file-» 50 - 23 - -   (315587)
Quyidagi formulalardan qaysilari to'g'ri?
1) $sin(x + y) = sinx \cdot cosy + cosx \cdot siny$;
2) $tg(x + y) = \dfrac{tgx + tgy}{1 - tgx \cdot tgy}$,
   $x, y, x + y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;
3) $cos^2\dfrac{x}{2} = \dfrac{1 - cosx}{2}$;
4) $sinx + siny = 2sin\dfrac{x + y}{2}cos\dfrac{x - y}{2}$.
A) $2; 3; 4$ **B) $1; 2; 4$**   C) $1; 2; 3$ D) $1; 3; 4$

3308.   6.2-1 file-» 50 - 23 - -   (315588)
Quyidagi formulalardan qaysilari to'g'ri?
1) $tg(x - y) = \dfrac{tgx - tgy}{1 + tgx \cdot tgy}$,
   $x, y, x - y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;
2) $cos^2\dfrac{x}{2} = \dfrac{1 - cosx}{2}$;
3) $sinx - siny = 2cos\dfrac{x + y}{2}sin\dfrac{x - y}{2}$;
4) $tgx - tgy = \dfrac{sin(x - y)}{cosx \cdot cosy}$,
   $x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.
A) $1; 2; 3$ B) $2; 3; 4$ **C) $1; 3; 4$**   D) $1; 2; 4$

3309.   6.2-1 file-» 50 - 23 - -   (315589)
Quyidagi formulalardan qaysilari to'g'ri?
1) $sin(x - y) = sinx \cdot cosy - cosx \cdot siny$;
2) $sin^2\dfrac{x}{2} = \dfrac{1 + cosx}{2}$;
3) $sinx + siny = 2sin\dfrac{x + y}{2}cos\dfrac{x - y}{2}$;
4) $tgx + tgy = \dfrac{sin(x + y)}{cosx \cdot cosy}$,
   $x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.
A) $2; 3; 4$ B) $1; 2; 4$ C) $1; 2; 3$ **D) $1; 3; 4$**

3310.   6.2-1 file-» 50 - 23 - -   (315590)
Quyidagi formulalardan qaysilari to'g'ri?
1) $cos(x + y) = cosx \cdot cosy - sinx \cdot siny$;
2) $tg(x + y) = \dfrac{tgx + tgy}{1 - tgx \cdot tgy}$,
   $x, y, x + y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;
3) $sin^2\dfrac{x}{2} = \dfrac{1 - cosx}{2}$;
4) $sinx + siny = 2cos\dfrac{x + y}{2}sin\dfrac{x - y}{2}$.
A) $1; 2; 4$ B) $2; 3; 4$ **C) $1; 2; 3$**   D) $1; 3; 4$

3311.   6.2-1 file-» 50 - 23 - -   (315591)
Quyidagi formulalardan qaysilari to'g'ri?
1) $cos(x - y) = cosx \cdot cosy + sinx \cdot siny$;
2) $tg(x + y) = \dfrac{tgx + tgy}{1 - tgx \cdot tgy}$,
   $x, y, x + y \neq \dfrac{\pi}{2} + \pi n, n \in Z$;
3) $cosx + cosy = -2sin\dfrac{x + y}{2}sin\dfrac{x - y}{2}$;
4) $tgx - tgy = \dfrac{sin(x - y)}{cosx \cdot cosy}$,
   $x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.
A) $2; 3; 4$ **B) $1; 2; 4$**   C) $1; 2; 3$ D) $1; 3; 4$

3312.   6.2-1 file-» 50 - 23 - -   (315592)
Quyidagi formulalardan qaysilari to'g'ri?
1) $sin(x + y) = sinx \cdot cosy + cosx \cdot siny$;
2) $sin^2\dfrac{x}{2} = \dfrac{1 + cosx}{2}$;
3) $cosx + cosy = 2cos\dfrac{x + y}{2}cos\dfrac{x - y}{2}$;
4) $tgx - tgy = \dfrac{sin(x - y)}{cosx \cdot cosy}$,
   $x, y \neq \dfrac{\pi}{2} + \pi n, n \in Z$.
A) $2; 3; 4$ B) $1; 2; 3$ **C) $1; 3; 4$**   D) $1; 2; 4$

3313.   6.2-1 file-» 50 - 112 - -   (402166)
$2 \sin 3x - 1 = 0$ tenglamani yeching.
A) $(-1)^k \dfrac{\pi}{18} + \dfrac{\pi k}{3}, k \in Z$

B) $(-1)^k \dfrac{\pi}{9} + \dfrac{\pi k}{3}, k \in Z$

C) $(-1)^k \dfrac{\pi}{18} + \dfrac{2\pi k}{3}, k \in Z$

D) $(-1)^k \dfrac{\pi}{9} + \dfrac{2\pi k}{3}, k \in Z$

3314.   6.2-1 file-» 50 - 112 - -   (402167)
$2 \sin 3x - \sqrt{2} = 0$ tenglamani yeching.
A) $(-1)^k \dfrac{\pi}{12} + \dfrac{\pi k}{3}, k \in Z$

B) $(-1)^k \dfrac{\pi}{4} + \dfrac{\pi k}{3}, k \in Z$

C) $(-1)^k \dfrac{\pi}{12} + \dfrac{2\pi k}{3}, k \in Z$

D) $(-1)^k \dfrac{\pi}{4} + \dfrac{2\pi k}{3}, k \in Z$

3315. 6.2-1 file-» 50 - 112 - - (402168)

$2\sin 3x - \sqrt{3} = 0$ tenglamani yeching.

A) $(-1)^k \dfrac{\pi}{9} + \dfrac{\pi k}{3},\ k \in Z$

B) $(-1)^k \dfrac{\pi}{18} + \dfrac{\pi k}{3},\ k \in Z$

C) $(-1)^k \dfrac{\pi}{9} + \dfrac{2\pi k}{3},\ k \in Z$

D) $(-1)^k \dfrac{\pi}{18} + \dfrac{2\pi k}{3},\ k \in Z$

3316. 6.2-1 file-» 50 - 112 - - (402169)

$2\sin 4x - 1 = 0$ tenglamani yeching.

A) $(-1)^k \dfrac{\pi}{24} + \dfrac{\pi k}{4},\ k \in Z$

B) $(-1)^k \dfrac{\pi}{12} + \dfrac{\pi k}{4},\ k \in Z$

C) $(-1)^k \dfrac{\pi}{24} + \dfrac{\pi k}{2},\ k \in Z$

D) $(-1)^k \dfrac{\pi}{12} + \dfrac{\pi k}{2},\ k \in Z$

3317. 6.2-1 file-» 50 - 112 - - (402170)

$2\sin 4x - \sqrt{2} = 0$ tenglamani yeching.

A) $(-1)^k \dfrac{3\pi}{16} + \dfrac{\pi k}{4},\ k \in Z$

B) $(-1)^k \dfrac{\pi}{16} + \dfrac{\pi k}{4},\ k \in Z$

C) $(-1)^k \dfrac{\pi}{16} + \dfrac{\pi k}{2},\ k \in Z$

D) $(-1)^k \dfrac{3\pi}{16} + \dfrac{\pi k}{2},\ k \in Z$

3318. 6.2-1 file-» 50 - 112 - - (402171)

$2\sin 4x - \sqrt{3} = 0$ tenglamani yeching.

A) $(-1)^k \dfrac{\pi}{12} + \dfrac{\pi k}{4},\ k \in Z$

B) $(-1)^k \dfrac{\pi}{24} + \dfrac{\pi k}{4},\ k \in Z$

C) $(-1)^k \dfrac{\pi}{12} + \dfrac{\pi k}{2},\ k \in Z$

D) $(-1)^k \dfrac{\pi}{24} + \dfrac{\pi k}{2},\ k \in Z$

3319. 6.2-1 file-» 50 - 112 - - (402172)

$2\sin 6x - 1 = 0$ tenglamani yeching.

A) $(-1)^k \dfrac{\pi}{36} + \dfrac{\pi k}{6},\ k \in Z$

B) $(-1)^k \dfrac{\pi}{18} + \dfrac{\pi k}{6},\ k \in Z$

C) $(-1)^k \dfrac{\pi}{36} + \dfrac{\pi k}{3},\ k \in Z$

D) $(-1)^k \dfrac{\pi}{18} + \dfrac{\pi k}{3},\ k \in Z$

3320. 6.2-1 file-» 50 - 112 - - (402173)

$2\sin 6x - \sqrt{2} = 0$ tenglamani yeching.

A) $(-1)^k \dfrac{\pi}{24} + \dfrac{\pi k}{6},\ k \in Z$

B) $(-1)^k \dfrac{\pi}{8} + \dfrac{\pi k}{6},\ k \in Z$

C) $(-1)^k \dfrac{\pi}{24} + \dfrac{\pi k}{3},\ k \in Z$

D) $(-1)^k \dfrac{\pi}{8} + \dfrac{\pi k}{3},\ k \in Z$

3321. 6.2-1 file-» 50 - 112 - - (402174)

$2\sin 6x - \sqrt{3} = 0$ tenglamani yeching.

A) $(-1)^k \dfrac{\pi}{18} + \dfrac{\pi k}{6},\ k \in Z$

B) $(-1)^k \dfrac{\pi}{36} + \dfrac{\pi k}{6},\ k \in Z$

C) $(-1)^k \dfrac{\pi}{18} + \dfrac{\pi k}{3},\ k \in Z$

D) $(-1)^k \dfrac{\pi}{36} + \dfrac{\pi k}{3},\ k \in Z$

3322. 6.2-1 file-» 50 - 112 - - (402175)

$2\cos 3x - 1 = 0$ tenglamani yeching.

A) $\pm \dfrac{1}{9}\pi + \dfrac{2}{3}\pi k,\ k \in Z$

B) $(-1)^k \dfrac{\pi}{9} + \dfrac{\pi k}{3},\ k \in Z$

C) $\pm \dfrac{1}{18}\pi + \dfrac{2}{3}\pi k,\ k \in Z$

D) $(-1)^k \dfrac{\pi}{18} + \dfrac{\pi k}{3},\ k \in Z$

3323. 6.2-1 file-» 50 - 112 - - (402176)

$2\cos 3x - \sqrt{2} = 0$ tenglamani yeching.

A) $\pm \dfrac{1}{12}\pi + \dfrac{2}{3}\pi k,\ k \in Z$

B) $(-1)^k \dfrac{\pi}{12} + \dfrac{\pi k}{3},\ k \in Z$

C) $\pm \dfrac{1}{12}\pi + \dfrac{\pi k}{3},\ k \in Z$

D) $(-1)^k \dfrac{\pi}{12} + \dfrac{2\pi k}{3},\ k \in Z$

3324. 6.2-1 file-» 50 - 112 - - (402177)

$2\cos 3x - \sqrt{3} = 0$ tenglamani yeching.

A) $\pm \dfrac{1}{18}\pi + \dfrac{2}{3}\pi k,\ k \in Z$

B) $(-1)^k \dfrac{\pi}{18} + \dfrac{\pi k}{3},\ k \in Z$

C) $\pm \dfrac{1}{9}\pi + \dfrac{2}{3}\pi k,\ k \in Z$

D) $(-1)^k \dfrac{\pi}{9} + \dfrac{\pi k}{3},\ k \in Z$

3325. 6.2-1 file-» 50 - 112 - - (402178)
$2\cos 4x - 1 = 0$ tenglamani yeching.

A) $\pm\dfrac{1}{12}\pi + \dfrac{1}{2}\pi k,\ k \in Z$

B) $(-1)^k\dfrac{\pi}{12} + \dfrac{\pi k}{4},\ k \in Z$

C) $\pm\dfrac{1}{24}\pi + \dfrac{1}{2}\pi k,\ k \in Z$

D) $(-1)^k\dfrac{\pi}{24} + \dfrac{\pi k}{4},\ k \in Z$

3326. 6.2-1 file-» 50 - 112 - - (402179)
$2\cos 4x - \sqrt{2} = 0$ tenglamani yeching.

A) $\pm\dfrac{1}{16}\pi + \dfrac{1}{2}\pi k,\ k \in Z$

B) $(-1)^k\dfrac{\pi}{16} + \dfrac{\pi k}{4},\ k \in Z$

C) $\pm\dfrac{1}{16}\pi + \dfrac{1}{4}\pi k,\ k \in Z$

D) $(-1)^k\dfrac{\pi}{16} + \dfrac{\pi k}{2},\ k \in Z$

3327. 6.2-1 file-» 50 - 112 - - (402180)
$2\cos 4x - \sqrt{3} = 0$ tenglamani yeching.

A) $\pm\dfrac{1}{24}\pi + \dfrac{1}{2}\pi k,\ k \in Z$

B) $(-1)^k\dfrac{\pi}{24} + \dfrac{\pi k}{4},\ k \in Z$

C) $\pm\dfrac{1}{12}\pi + \dfrac{1}{2}\pi k,\ k \in Z$

D) $(-1)^k\dfrac{\pi}{12} + \dfrac{\pi k}{4},\ k \in Z$

3328. 6.2-1 file-» 50 - 112 - - (402181)
$2\cos 6x - 1 = 0$ tenglamani yeching.

A) $\pm\dfrac{1}{18}\pi + \dfrac{1}{3}\pi k,\ k \in Z$

B) $(-1)^k\dfrac{\pi}{18} + \dfrac{\pi k}{6},\ k \in Z$

C) $\pm\dfrac{1}{36}\pi + \dfrac{1}{3}\pi k,\ k \in Z$

D) $(-1)^k\dfrac{\pi}{36} + \dfrac{\pi k}{6},\ k \in Z$

3329. 6.2-1 file-» 50 - 112 - - (402182)
$2\cos 6x - \sqrt{2} = 0$ tenglamani yeching.

A) $\pm\dfrac{1}{24}\pi + \dfrac{1}{3}\pi k,\ k \in Z$

B) $(-1)^k\dfrac{\pi}{24} + \dfrac{\pi k}{6},\ k \in Z$

C) $\pm\dfrac{1}{24}\pi + \dfrac{1}{6}\pi k,\ k \in Z$

D) $(-1)^k\dfrac{\pi}{24} + \dfrac{\pi k}{3},\ k \in Z$

3330. 6.2-1 file-» 50 - 112 - - (402183)
$2\cos 6x - \sqrt{3} = 0$ tenglamani yeching.

A) $\pm\dfrac{1}{36}\pi + \dfrac{1}{3}\pi k,\ k \in Z$

B) $(-1)^k\dfrac{\pi}{36} + \dfrac{\pi k}{6},\ k \in Z$

C) $\pm\dfrac{1}{18}\pi + \dfrac{1}{3}\pi k,\ k \in Z$

D) $(-1)^k\dfrac{\pi}{18} + \dfrac{\pi k}{6},\ k \in Z$

3331. 6.2-1 file-» 50 - 112 - - (402184)
$2\cos 3x + 1 = 0$ tenglamani yeching.

A) $\pm\dfrac{2}{9}\pi + \dfrac{2}{3}\pi k,\ k \in Z$

B) $(-1)^k\dfrac{2\pi}{9} + \dfrac{\pi k}{3},\ k \in Z$

C) $-\dfrac{\pi}{18} + \dfrac{2}{3}\pi k,\ k \in Z$

D) $(-1)^k\dfrac{\pi}{18} + \dfrac{\pi k}{3},\ k \in Z$

3332. 6.2-1 file-» 50 - 112 - - (402185)
$2\cos 3x + \sqrt{2} = 0$ tenglamani yeching.

A) $\pm\dfrac{1}{4}\pi + \dfrac{2}{3}\pi k,\ k \in Z$

B) $(-1)^k\dfrac{\pi}{4} + \dfrac{\pi k}{3},\ k \in Z$

C) $-\dfrac{1}{12}\pi + \dfrac{2}{3}\pi k,\ k \in Z$

D) $(-1)^{k+1}\dfrac{\pi}{12} + \dfrac{\pi k}{3},\ k \in Z$

3333. 6.2-1 file-» 50 - 112 - - (402186)
$2\cos 3x + \sqrt{3} = 0$ tenglamani yeching.

A) $\pm\dfrac{5}{18}\pi + \dfrac{2}{3}\pi k,\ k \in Z$

B) $(-1)^k\dfrac{5\pi}{18} + \dfrac{\pi k}{3},\ k \in Z$

C) $-\dfrac{1}{9}\pi + \dfrac{2}{3}\pi k,\ k \in Z$

D) $(-1)^{k+1}\dfrac{\pi}{9} + \dfrac{\pi k}{3},\ k \in Z$

3334. 6.2-1 file-» 50 - 112 - - (402187)
$2\cos 4x + 1 = 0$ tenglamani yeching.

A) $\pm\dfrac{1}{6}\pi + \dfrac{1}{2}\pi k,\ k \in Z$

B) $(-1)^k\dfrac{\pi}{6} + \dfrac{\pi k}{4},\ k \in Z$

C) $-\dfrac{1}{24}\pi + \dfrac{1}{2}\pi k,\ k \in Z$

D) $(-1)^{k+1}\dfrac{\pi}{24} + \dfrac{\pi k}{4},\ k \in Z$

3335. 6.2-1 file-» 50 - 112 - - (402188)
$2\cos 4x + \sqrt{2} = 0$ tenglamani yeching.

A) $\pm\dfrac{3}{16}\pi + \dfrac{1}{2}\pi k,\ k \in Z$

B) $(-1)^k\dfrac{3\pi}{16} + \dfrac{\pi k}{4},\ k \in Z$

C) $-\dfrac{1}{16}\pi + \dfrac{1}{2}\pi k,\ k \in Z$

D) $(-1)^{k+1}\dfrac{\pi}{16} + \dfrac{\pi k}{4},\ k \in Z$

3336. 6.2-1 file-» 50 - 112 - - (402189)
$2\cos 4x + \sqrt{3} = 0$ tenglamani yeching.

A) $\pm\dfrac{5}{24}\pi + \dfrac{1}{2}\pi k,\ k \in Z$

B) $(-1)^k\dfrac{5\pi}{24} + \dfrac{\pi k}{4},\ k \in Z$

C) $-\dfrac{1}{12}\pi + \dfrac{1}{2}\pi k,\ k \in Z$

D) $(-1)^{k+1}\dfrac{\pi}{12} + \dfrac{\pi k}{4},\ k \in Z$

3337. 6.2-1 file-» 50 - 112 - - (402190)
$2\cos 6x + 1 = 0$ tenglamani yeching.

A) $\pm\dfrac{1}{9}\pi + \dfrac{1}{3}\pi k,\ k \in Z$

B) $(-1)^k\dfrac{\pi}{9} + \dfrac{\pi k}{6},\ k \in Z$

C) $-\dfrac{1}{36}\pi + \dfrac{1}{3}\pi k,\ k \in Z$

D) $(-1)^{k+1}\dfrac{\pi}{36} + \dfrac{\pi k}{6},\ k \in Z$

3338. 6.2-1 file-» 50 - 112 - - (402191)
$2\cos 6x + \sqrt{2} = 0$ tenglamani yeching.

A) $\pm\dfrac{1}{8}\pi + \dfrac{1}{3}\pi k,\ k \in Z$

B) $(-1)^k\dfrac{\pi}{8} + \dfrac{\pi k}{6},\ k \in Z$

C) $-\dfrac{1}{24}\pi + \dfrac{1}{3}\pi k,\ k \in Z$

D) $(-1)^{k+1}\dfrac{\pi}{24} + \dfrac{\pi k}{6},\ k \in Z$

3339. 6.2-1 file-» 50 - 112 - - (402192)
$2\cos 6x + \sqrt{3} = 0$ tenglamani yeching.

A) $\pm\dfrac{5}{36}\pi + \dfrac{1}{3}\pi k,\ k \in Z$

B) $(-1)^k\dfrac{5\pi}{36} + \dfrac{\pi k}{6},\ k \in Z$

C) $-\dfrac{1}{18}\pi + \dfrac{1}{3}\pi k,\ k \in Z$

D) $(-1)^{k+1}\dfrac{\pi}{18} + \dfrac{\pi k}{6},\ k \in Z$

3340. 6.2-1 file-» 50 - 112 - - (402193)
$2\cos 8x + 1 = 0$ tenglamani yeching.

A) $\pm\dfrac{1}{12}\pi + \dfrac{1}{4}\pi k,\ k \in Z$

B) $(-1)^k\dfrac{\pi}{12} + \dfrac{\pi k}{8},\ k \in Z$

C) $-\dfrac{1}{48}\pi + \dfrac{1}{4}\pi k,\ k \in Z$

D) $(-1)^{k+1}\dfrac{\pi}{48} + \dfrac{\pi k}{8},\ k \in Z$

3341. 6.2-1 file-» 50 - 112 - - (402194)
$2\cos 8x + \sqrt{2} = 0$ tenglamani yeching.

A) $\pm\dfrac{3}{32}\pi + \dfrac{1}{4}\pi k,\ k \in Z$

B) $(-1)^k\dfrac{3\pi}{32} + \dfrac{\pi k}{8},\ k \in Z$

C) $-\dfrac{1}{32}\pi + \dfrac{1}{4}\pi k,\ k \in Z$

D) $(-1)^{k+1}\dfrac{\pi}{32} + \dfrac{\pi k}{8},\ k \in Z$

3342. 6.2-1 file-» 50 - 112 - - (402195)
$2\cos 8x + \sqrt{3} = 0$ tenglamani yeching.

A) $\pm\dfrac{5}{48}\pi + \dfrac{1}{4}\pi k,\ k \in Z$

B) $(-1)^k\dfrac{5\pi}{48} + \dfrac{\pi k}{8},\ k \in Z$

C) $-\dfrac{1}{24}\pi + \dfrac{1}{4}\pi k,\ k \in Z$

D) $(-1)^{k+1}\dfrac{\pi}{24} + \dfrac{\pi k}{8},\ k \in Z$

3343. 6.2-1 file-» 50 - 160 - - (704750)
$1 - 2\sin 2x = 0$ tenglamani yeching.

A) $(-1)^k\dfrac{\pi}{12} + \dfrac{\pi k}{2},\ k \in Z$

B) $(-1)^k\dfrac{\pi}{6} + \dfrac{\pi k}{2},\ k \in Z$

C) $(-1)^k\dfrac{\pi}{12} + \pi k,\ k \in Z$

D) $(-1)^k\dfrac{\pi}{6} + \pi k,\ k \in Z$

3344. 6.2-1 file-» 50 - 160 - - (704751)
$\sqrt{3} - 2\sin 2x = 0$ tenglamani yeching.

A) $(-1)^k\dfrac{\pi}{6} + \pi k,\ k \in Z$

B) $(-1)^k\dfrac{\pi}{12} + \pi k,\ k \in Z$

C) $(-1)^k\dfrac{\pi}{6} + \dfrac{\pi k}{2},\ k \in Z$

D) $(-1)^k\dfrac{\pi}{12} + \dfrac{\pi k}{2},\ k \in Z$

3345. 6.2-1 file-» 50 - 160 - - (704752)

$1 + 2\sin 2x = 0$ tenglamani yeching.

A) $(-1)^{k+1}\dfrac{\pi}{3} + \dfrac{\pi k}{2},\ k \in Z$

B) $(-1)^{k+1}\dfrac{\pi}{12} + \pi k,\ k \in Z$

C) $(-1)^{k+1}\dfrac{\pi}{3} + \pi k,\ k \in Z$

D) $(-1)^{k+1}\dfrac{\pi}{12} + \dfrac{\pi k}{2},\ k \in Z$

3346. 6.2-1 file-» 50 - 160 - - (704754)

$\sqrt{3} + 2\sin 2x = 0$ tenglamani yeching.

A) $(-1)^{k+1}\dfrac{5\pi}{12} + \pi k,\ k \in Z$

B) $(-1)^{k+1}\dfrac{\pi}{6} + \dfrac{\pi k}{2},\ k \in Z$

C) $(-1)^{k+1}\dfrac{5\pi}{12} + \dfrac{\pi k}{2},\ k \in Z$

D) $(-1)^{k+1}\dfrac{\pi}{6} + \pi k,\ k \in Z$

3347. 6.2-1 file-» 50 - 160 - - (704755)

$1 - 2\cos 2x = 0$ tenglamani yeching.

A) $\pm\dfrac{\pi}{12} + \pi k,\ k \in Z$

B) $(-1)^{k}\dfrac{\pi}{12} + \dfrac{\pi k}{2},\ k \in Z$

C) $\pm\dfrac{\pi}{6} + \pi k,\ k \in Z$

D) $(-1)^{k}\dfrac{\pi}{6} + \dfrac{\pi k}{2},\ k \in Z$

3348. 6.2-1 file-» 50 - 160 - - (704756)

$\sqrt{3} - 2\cos 2x = 0$ tenglamani yeching.

A) $\pm\dfrac{\pi}{12} + \pi k,\ k \in Z$

B) $(-1)^{k}\dfrac{\pi}{12} + \dfrac{\pi k}{2},\ k \in Z$

C) $\pm\dfrac{\pi}{6} + \pi k,\ k \in Z$

D) $(-1)^{k}\dfrac{\pi}{6} + \dfrac{\pi k}{2},\ k \in Z$

3349. 6.2-1 file-» 50 - 160 - - (704757)

$1 + 2\cos 2x = 0$ tenglamani yeching.

A) $(-1)^{k+1}\dfrac{\pi}{12} + \dfrac{\pi k}{2},\ k \in Z$

B) $\pm\dfrac{\pi}{3} + \pi k,\ k \in Z$

C) $(-1)^{k+1}\dfrac{\pi}{3} + \dfrac{\pi k}{2},\ k \in Z$

D) $\pm\dfrac{\pi}{12} + \pi k,\ k \in Z$

3350. 6.2-1 file-» 50 - 160 - - (704758)

$\sqrt{2} + 2\cos 2x = 0$ tenglamani yeching.

A) $\pm\dfrac{\pi}{8} + \pi k,\ k \in Z$

B) $(-1)^{k+1}\dfrac{\pi}{8} + \dfrac{\pi k}{2},\ k \in Z$

C) $\pm\dfrac{3\pi}{8} + \pi k,\ k \in Z$

D) $(-1)^{k+1}\dfrac{3\pi}{8} + \dfrac{\pi k}{2},\ k \in Z$

3351. 6.2-1 file-» 50 - 160 - - (704759)

$\sqrt{3} + 2\cos 2x = 0$ tenglamani yeching.

A) $(-1)^{k+1}\dfrac{5\pi}{12} + \dfrac{\pi k}{2},\ k \in Z$

B) $\pm\dfrac{\pi}{6} + \pi k,\ k \in Z$

C) $(-1)^{k+1}\dfrac{\pi}{6} + \dfrac{\pi k}{2},\ k \in Z$

D) $\pm\dfrac{5\pi}{12} + \pi k,\ k \in Z$

3352. 6.2-2 file-» 28 - 1 - - (36652)

$sinx \cdot cosx < \dfrac{\sqrt{2}}{4}$ тенгсизликни ечинг.

A) $-\dfrac{5\pi}{8} + \pi k < x < \dfrac{\pi}{8} + \pi k,\ k \in Z$

B) $\dfrac{\pi}{4} + \pi k < x < \dfrac{3\pi}{4} + \pi k,\ k \in Z$

C) $\dfrac{\pi}{8} + \pi k < x < \dfrac{3\pi}{8} + \pi k,\ k \in Z$

D) $\dfrac{\pi}{8} + \pi k \le x \le \dfrac{3\pi}{8} + \pi k,\ k \in Z$

3353. 6.2-2 file-» 28 - 1 - - (36653)

k нинг қуйида кўрсатилган қийматларидан қайси бирида $coskx \cdot cos4x - sinkx \cdot sin4x = \dfrac{\sqrt{3}}{2}$ тенгламанинг илдизлари $\pm\dfrac{\pi}{30} + \dfrac{2\pi n}{5}$ $(n \in Z)$ бўлади?

A) *2*   B) *3*   C) *4*   **D) *1***

3354. 6.2-2 file-» 28 - 2 - - (36710)

$cos^2\dfrac{x}{4} > \dfrac{\sqrt{2}}{2} + sin^2\dfrac{x}{4}$ тенгсизликни ечинг.

A) $\dfrac{\pi}{8} + 2\pi n < x < \dfrac{7\pi}{8} + 2\pi n,\ n \in Z$

B) $\dfrac{\pi}{8} + \pi n < x < \dfrac{7\pi}{8} + \pi n,\ n \in Z$

C) $-\dfrac{\pi}{2} + 4\pi n < x < \dfrac{\pi}{2} + 4\pi n,\ n \in Z$

D) $\dfrac{\pi}{4} + 2\pi n < x < \dfrac{7\pi}{4} + 2\pi n,\ n \in Z$

3355. 6.2-2 file-» 28 - 2 - - (36711)

k нинг қуйида кўрсатилган қийматларидан қайси бирида $sinkxcosx - sinxcoskx = 0$ тенгламанинг илдизлари $\frac{\pi n}{7}$ $\left(n \in Z \right)$ бўлади?

A) 5   **B) 8**   C) 6   D) 7

3356. 6.2-2 file-» 13 - 3 - - (56623)

$4cos^2 2x - 2,5 = cos4x$ тенгламани ечинг.

A) $\frac{\pi}{4} + \frac{n\pi}{2}, n \in Z$ **B) $\pm\frac{\pi}{12} + \frac{\pi n}{2}, n \in Z$**

C) $\frac{\pi}{6} + \frac{n\pi}{2}, n \in Z$ D) $\frac{\pi}{3} + \frac{n\pi}{2}, n \in Z$

3357. 6.2-2 file-» 13 - 3 - - (56628)

$cos2x \geq -\frac{1}{2}$ тенгсизликнинг $[0; 1, 5\pi]$ кесмадаги ечимини топинг.

A) $[\frac{\pi}{3}; \frac{2\pi}{3}]$ **B) $[0; \frac{\pi}{3}] \cup [\frac{2\pi}{3}; \frac{4\pi}{3}]$**

C) $[0; \frac{\pi}{3}] \cup [\frac{2\pi}{3}; \pi]$ D) $[\frac{4\pi}{3}; 2\pi]$

3358. 6.2-2 file-» 19 - 4 - - 3 (105504)

$ctg(\frac{\pi}{2} - 3x) = tg2x + tgx$ тенгламани ечинг.

A) $\frac{\pi n}{2}, n \in Z$ **B) $\frac{\pi n}{3}, n \in Z$**   C) $\pi n, n \in Z$

D) $\frac{\pi n}{2}; \pi n, n \in Z$

3359. 6.2-2 file-» 32 - 1 - - 10 (110577)

Агар $2sin6x(cos^4 3x - sin^4 3x) = sinkx$ тенглик ҳамма вақт ўринли бўлса, k ни топинг.

A) 12   B) 24   C) 6   D) 18

3360. 6.2-2 file-» 35 - 1 - - 1 (121848)

Нечта бутун сон $sin(16\pi/x) = 0$ тенгламани қаноатлантиради?

A) 10   B) 8   C) 16   D) 24

3361. 6.2-2 file-» 16 - 8 - - 3 (131403)

$4cos5x = 6 + 3cos(\frac{\pi}{2} + 5x)$ тенглама $[-\pi; 2\pi]$ кесмада нечта илдизга эга?

A) $\emptyset$ B) 1   C) 2   D) 3

3362. 6.2-2 file-» 32 - 1 - - (173897)

$\sin^4 x - \cos^4 x = \frac{1}{2}$ тенглама $[-2\pi; 2\pi]$ кесмада нечта илдизга эга?

A) 8   B) 9   C) 10   D) 7

3363. 6.2-2 file-» 28 - 1 - - (315593)

$sinx \cdot cosx < \frac{\sqrt{2}}{4}$ тенгсизликни yeching.

A) $-\frac{5\pi}{8} + \pi k < x < \frac{\pi}{8} + \pi k, \ k \in Z$

B) $\frac{\pi}{4} + \pi k < x < \frac{3\pi}{4} + \pi k, \ k \in Z$

C) $\frac{\pi}{8} + \pi k < x < \frac{3\pi}{8} + \pi k, \ k \in Z$

D) $\frac{\pi}{8} + \pi k \leq x \leq \frac{3\pi}{8} + \pi k, \ k \in Z$

3364. 6.2-2 file-» 28 - 1 - - (315594)

k ning quyida ko'rsatilgan qiymatlaridan qaysi birida $coskx \cdot cos4x - sinkx \cdot sin4x = \frac{\sqrt{3}}{2}$ tenglamaning ildizlari $\pm\frac{\pi}{30} + \frac{2\pi n}{5}$ $(n \in Z)$ bo'ladi?

A) 2   B) 3   C) 4   **D) 1**

3365. 6.2-2 file-» 28 - 2 - - (315595)

$cos^2 \frac{x}{4} > \frac{\sqrt{2}}{2} + sin^2 \frac{x}{4}$ tengsizlikni yeching.

A) $\frac{\pi}{8} + 2\pi n < x < \frac{7\pi}{8} + 2\pi n, n \in Z$

B) $\frac{\pi}{8} + \pi n < x < \frac{7\pi}{8} + \pi n, n \in Z$

C) $-\frac{\pi}{2} + 4\pi n < x < \frac{\pi}{2} + 4\pi n, n \in Z$

D) $\frac{\pi}{4} + 2\pi n < x < \frac{7\pi}{4} + 2\pi n, n \in Z$

3366. 6.2-2 file-» 28 - 2 - - (315596)

k ning quyida ko'rsatilgan qiymatlaridan qaysi birida $sinkxcosx - sinxcoskx = 0$ tenglamaning ildizlari $\frac{\pi n}{7}$ $\left(n \in Z \right)$ bo'ladi?

A) 5   **B) 8**   C) 6   D) 7

3367. 6.2-2 file-» 13 - 3 - - (315597)

$4cos^2 2x - 2,5 = cos4x$ tenglamani yeching.

A) $\frac{\pi}{4} + \frac{n\pi}{2}, n \in Z$ **B) $\pm\frac{\pi}{12} + \frac{\pi n}{2}, n \in Z$**

C) $\frac{\pi}{6} + \frac{n\pi}{2}, n \in Z$ D) $\frac{\pi}{3} + \frac{n\pi}{2}, n \in Z$

3368. 6.2-2 file-» 13 - 3 - - (315598)

$cos2x \geq -\frac{1}{2}$ tengsizlikning $[0; 1, 5\pi]$ kesmadagi yechimini toping.

A) $[\frac{\pi}{3}; \frac{2\pi}{3}]$ **B) $[0; \frac{\pi}{3}] \cup [\frac{2\pi}{3}; \frac{4\pi}{3}]$**

C) $[0; \frac{\pi}{3}] \cup [\frac{2\pi}{3}; \pi]$ D) $[\frac{4\pi}{3}; 2\pi]$

3369.   6.2-2 file-» 19 - 4 - - 3   (315599)

$ctg(\frac{\pi}{2} - 3x) = tg2x + tgx$ tenglamani yeching.

A) $\frac{\pi n}{2}$, $n \in Z$ **B)** $\frac{\pi n}{3}$, $n \in Z$

C) πn, $n \in Z$ D) $\frac{\pi n}{2}; \pi n$, $n \in Z$

3370.   6.2-2 file-» 32 - 1 - - 10   (315600)

Agar $2sin6x(cos^4 3x - sin^4 3x) = sinkx$ tenglik hamma vaqt o'rinli bo'lsa, k ni toping.

A) 12   B) 24   C) 6   D) 18

3371.   6.2-2 file-» 35 - 1 - - 1   (315601)

Nechta butun son $sin(16\pi/x) = 0$ tenglamani qanoatlantiradi?

A) 10   B) 8   C) 16   D) 24

3372.   6.2-2 file-» 16 - 8 - - 3   (315602)

$4cos5x = 6 + 3cos(\frac{\pi}{2} + 5x)$ tenglama $[-\pi; 2\pi]$ kesmada nechta ildizga ega?

A) $\emptyset$ B) 1   C) 2   D) 3

3373.   6.2-2 file-» 32 - 1 - -   (315603)

$sin^4 x - cos^4 x = \frac{1}{2}$ tenglama $[-2\pi; 2\pi]$ kesmada nechta ildizga ega?

A) 8   B) 9   C) 10   D) 7

3374.   6.2-2 file-» 6 - 5 - -   (402196)

$4\cos\frac{x}{2} + \cos x + 1 = 0$ tenglamaning $[0; 9,5\pi]$ kesmada nechta ildizi bor?

A) 1   B) 2   **C)** 5   D) 3

3375.   6.2-2 file-» 6 - 6 - -   (402197)

$4\sin\frac{x}{2} - \cos x + 1 = 0$ tenglamaning $[0; 8\pi]$ kesmada nechta ildizi bor?

A) 5   B) 2   C) 3   D) 1

3376.   6.2-2 file-» 22 - 4 - -   (402198)

$\sin(\frac{\pi}{6} + x) + \sin(\frac{\pi}{6} - x) = -\frac{\sqrt{3}}{2}$ tenglamaning ildizlarini ko'rsating.

A) $\pm\frac{5\pi}{6} + 2\pi k$, $k \in Z$ B) $\frac{\pi}{6} + 2\pi k$, $k \in Z$

C) $\pm\frac{\pi}{3} + 2\pi k$, $k \in Z$ D) $\pm\frac{2\pi}{3} + 2\pi k$, $k \in Z$

3377.   6.2-2 file-» 22 - 13 - -   (402199)

$2sin^2 x - 5sin(0,5\pi - x) = -5$ tenglamani yeching.

A) $\pi + 2\pi n, n \in Z$ B) $(-1)^n \cdot \frac{\pi}{6} + \pi n, n \in Z$

C) $\frac{\pi}{2} + 2\pi n, n \in Z$ **D)** $2\pi n, n \in Z$

3378.   6.2-2 file-» 22 - 13 - -   (402200)

$cos3x \cdot sinx - cos3x = 0$ tenglamani yeching.

A) $\frac{\pi}{6} + \frac{\pi}{3}k$, $k \in Z$

B) $(-1)^k \cdot \frac{\pi}{6} + \frac{\pi}{3}k; \frac{\pi}{2} + 2\pi k$, $k \in Z$

C) $\frac{\pi}{6} + \frac{\pi}{3}k; 2\pi k$, $k \in Z$

D) $\frac{\pi}{3} + \pi k; \pi k$, $k \in Z$

3379.   6.2-2 file-» 22 - 14 - -   (402201)

$2cos^2(x - \pi) - 3sin(\pi + x) = 3$ tenglamani yeching.

A) $\frac{\pi}{2} + 2\pi n$, $n \in Z$

B) $(-1)^{n+1} \cdot \frac{\pi}{6} + \pi n, -\frac{\pi}{2} + 2\pi n$, $n \in Z$

C) $\pm\frac{\pi}{3} + 2\pi n$, $n \in Z$

D) $\frac{\pi}{2} + 2\pi n, (-1)^n \frac{\pi}{6} + \pi n$, $n \in Z$

3380.   6.2-2 file-» 22 - 15 - -   (402202)

$2sin^2(\pi - x) - 5sin(0,5\pi + x) = -5$ tenglamani yeching.

A) πn, $n \in Z$ B) $\frac{\pi}{2} + \pi n$, $n \in Z$

C) $2\pi n$, $n \in Z$ D) $\pi + 2\pi n$, $n \in Z$

3381.   6.2-2 file-» 22 - 3 - -   (402203)

$(sinx - cosx)^2 < sin2x$ tengsizlikni yeching.

A) $(\frac{\pi}{3} + 2\pi n; \frac{2\pi}{3} + 2\pi n)$, $n \in Z$

B) $(-\frac{7\pi}{12} + \pi n; \frac{\pi}{12} + \pi n)$, $n \in Z$

C) $(\frac{\pi}{6} + 2\pi n; \frac{5\pi}{6} + 2\pi n)$, $n \in Z$

D) $(\frac{\pi}{12} + \pi n; \frac{5\pi}{12} + \pi n)$, $n \in Z$

3382.   6.2-2 file-» 6 - 7 - -   (402204)

$\frac{cos2x}{\frac{\sqrt{2}}{2} + sinx} = 0$ tenglamaning $[0; 6\pi]$ kesmada nechta ildizi bor?

A) 8   **B)** 6   C) 4   D) 2

3383.   6.2-2 file-» 6 - 7 - -   (402205)

$sin2x = (cosx - sinx)^2$ tenglamaning $[0; 5\pi]$ kesmada nechta ildizi bor?

A) 4   B) 8   C) 2   **D)** 10

3384.   6.2-2 file-» 6 - 8 - -   (402206)

$\dfrac{1 + cosx}{sinx} = 2cos\dfrac{x}{2}$ tenglamaning $[0; \dfrac{16\pi}{3}]$

kesmada nechta ildizi bor?

A) ϕ B) 1   C) 2   **D) 3**

3385.   6.2-2 file-» 22 - 17 - -   (402207)

$\dfrac{sin2x}{ctgx - cosx} = 0$ tenglamani yeching.

A) $\dfrac{\pi k}{2}, k \in Z$ B) $\dfrac{\pi}{2} + \pi k, k \in Z$

C) $2\pi k, k \in Z$ **D) $\varnothing$**

3386.   6.2-2 file-» 22 - 18 - -   (402208)

$\dfrac{sin2x}{sinx + tgx} = 0$ tenglamani yeching.

A) $\dfrac{\pi}{2} + \pi k, k \in Z$ B) $\pi k, k \in Z$

C) $\dfrac{\pi k}{2}, k \in Z$ **D) $\varnothing$**

3387.   6.2-2 file-» 23 - 6 - -   (402209)

$\dfrac{1}{cos^2 x} = 4tg^2 x$ tenglamani yeching.

A) $\pm\dfrac{\pi}{6} + \pi k, k \in Z$ B) $\pm\dfrac{\pi}{4} + \pi k, k \in Z$

C) $\pm\dfrac{\pi}{3} + \pi k, k \in Z$ D) $\pm\dfrac{\pi}{3} + 2\pi k, k \in Z$

3388.   6.2-2 file-» 5 - 13 - - 9   (402210)

$sin2x + cos(\dfrac{3\pi}{2} + 6x) = sin4x$ tenglamani

yeching.

A) $\dfrac{\pi n}{4}, \ n \in Z$ **B) $\pm\dfrac{\pi}{6} + \pi n; \ \dfrac{\pi n}{4}, \ n \in Z$**

C) $-\dfrac{\pi}{3} + \pi n, \ n \in Z$ D) $\pi n, \ n \in Z$

3389.   6.2-2 file-» 6 - 4 - -   (402211)

$sin\dfrac{x}{2} + cos x - 1 = 0$ tenglamaning $[0; 2\pi]$

kesmada nechta ildizi bor?

A) *3*   **B) *4***   C) *0*   D) *2*

3390.   6.2-2 file-» 6 - 4 - -   (402212)

$cos^2 x - \dfrac{5}{2}\cos x + 1 > 0$ tengsizlik $x \ (x \in [0; 2\pi])$

ning qanday qiymatlarida o'rinli?

A) $[0; \dfrac{\pi}{3}) \cup (\dfrac{5\pi}{3}; 2\pi]$ B) $(\dfrac{\pi}{3}; \dfrac{\pi}{2}] \cup [\dfrac{3\pi}{2}; \dfrac{5\pi}{3})$

C) $(\dfrac{\pi}{3}; \dfrac{5\pi}{3})$ D) $(\dfrac{\pi}{3}; \dfrac{\pi}{2}]$

3391.   6.2-2 file-» 6 - 5 - -   (402213)

$cos^2 x - \dfrac{5}{2}\cos x + 1 \le 0$ tengsizlik $x \ (x \in [0; 2\pi])$

ning qanday qiymatlarida o'rinli?

A) $[0; \dfrac{\pi}{3}] \cup [\dfrac{5\pi}{3}; 2\pi]$ B) $[0; \dfrac{\pi}{3}]$ C) $[\dfrac{5\pi}{3}; 2\pi]$

D) $[\dfrac{\pi}{3}; \dfrac{\pi}{2}] \cup [\dfrac{3\pi}{2}; \dfrac{5\pi}{3}]$

3392.   6.2-2 file-» 22 - 12 - -   (402214)

$\dfrac{cos^2 x - cosx}{sinx} = 0$ tenglama $[-2\pi; \ 2\pi]$ oraliqda

nechta ildizga ega?

A) 6   **B) 4**   C) 3   D) 2

3393.   6.2-2 file-» 22 - 1 - -   (402215)

$\dfrac{ctg \, x}{1 + \sin x} = 0$ tenglama $[0; 5\pi]$ oraliqda nechta

ildizga ega?

A) 5   B) 4   **C) 3**   D) 2

3394.   6.2-2 file-» 22 - 17 - -   (402216)

$cosx \cdot cos4x - cos5x = 0$ tenglama $[0; \pi]$ kesmada

nechta ildizga ega?

A) 5   B) 2   C) 4   D) 3

3395.   6.2-2 file-» 22 - 18 - -   (402217)

$cosxcos2x = cos3x$ tenglama $[0; 2\pi]$ oraliqda

nechta ildizga ega?

A) 5   B) 4   C) 3   D) 2

3396.   6.2-2 file-» 19 - 1 - - 3   (402218)

$4cos^2 x - 3 \ge 0$ tengsizlikni yeching.

A) $[-\dfrac{\pi}{3} + 2\pi k; \dfrac{\pi}{3} + 2\pi k], k \in Z$

B) $[-\dfrac{\pi}{3} + \pi k; \dfrac{\pi}{3} + \pi k], k \in Z$

C) $[-\dfrac{\pi}{6} + \pi k; \dfrac{\pi}{6} + \pi k], k \in Z$

D) $[-\dfrac{\pi}{6} + 2\pi k; \dfrac{\pi}{6} + 2\pi k], k \in Z$

3397.   6.2-2 file-» 19 - 3 - - 9   (402219)

$4sin^2 x(1 + cos2x) = 1 - cos2x$ tenglamani

yeching.

A) $\pi n, \ n \in Z$ **B)** $\pi n; \ \pm\dfrac{\pi}{3} + \pi n, \ n \in Z$

C) $\pm\dfrac{\pi}{3} + \pi n, \ n \in Z$

D) $\pi n; \ \pm\dfrac{\pi}{3} + 2\pi n, \ n \in Z$

3398.   6.2-2 file-» 16 - 5 - - 10   (402220)

$sinx = \dfrac{2b - 3}{4 - b}$ tenglama b ning nechta butun

qiymatida yechimga ega bo'ladi?

A) 4   B) 1   C) 2   D) 3

3399.　　6.2-2 file-» 32 - 1 - - 10　　　　(402221)

$cos2x - cos6x - sin4x = 0$ tenglama $[0; \pi]$ kesmada nechta ildizga ega?

A) 7　B) 6　C) 8　D) 5

3400.　　6.2-2 file-» 16 - 9 - - 10　　　　(402222)

$|\sin 3x| = \dfrac{1}{2}$ tenglamani yeching.

A) $\pm\dfrac{\pi}{6} + \dfrac{\pi n}{2},\, n \in Z$

B) $\dfrac{\pi}{3} + 2\pi n,\, n \in Z$

C) $\pm\dfrac{\pi}{9} + \dfrac{\pi n}{3},\, n \in Z$

D) $\pm\dfrac{\pi}{18} + \dfrac{\pi n}{3},\, n \in Z$

3401.　　6.2-2 file-» 16 - 13 - - 7　　　　(402223)

$|sinx| \leq \dfrac{\sqrt{3}}{2}$ tengsizlikni yeching.

A) $[-\dfrac{\pi}{3} + \pi n; \dfrac{\pi}{3} + \pi n], n \in Z$

B) $[-\dfrac{\pi}{6} + \pi n; \dfrac{\pi}{6} + \pi n], n \in Z$

C) $[-\dfrac{\pi}{6} + 2\pi n; \dfrac{\pi}{6} + 2\pi n], n \in Z$

D) $[-\dfrac{\pi}{3} + 2\pi n; \dfrac{\pi}{3} + 2\pi n], n \in Z$

3402.　　6.2-2 file-» 16 - 13 - - 7　　　　(402224)

$sin3x = cos5x$ tenglamani yeching.

A) $\dfrac{\pi}{15} + \dfrac{\pi n}{3}, n \in Z$

B) $\dfrac{\pi}{4} + \pi n; \dfrac{\pi}{16} + \dfrac{\pi n}{2}, n \in Z$

C) $\dfrac{\pi}{16} + \dfrac{\pi n}{4}; \dfrac{3\pi}{4} + \pi n, n \in Z$

D) $\dfrac{\pi}{4} + \dfrac{\pi n}{4}; \dfrac{3\pi}{4} + \dfrac{\pi n}{2}, n \in Z$

3403.　　6.2-2 file-» 51 - 1 - -　　　　(402225)

$|\sin 2x| = \dfrac{\sqrt{2}}{2}$ tenglamaning $[-3\pi; 4\pi]$ oraliqda nechta ildizi bor?

A) 28　B) 14　C) 27　D) 29

3404.　　6.2-2 file-» 6 - 5 - - 2　　　　(719789)

$4\cos \dfrac{x}{2} + \cos x + 1 = 0$ tenglamaning $[0; 9,5\pi]$ kesmada nechta ildizi bor?

A) 1　B) 2　**C)** 5　D) 3

3405.　　6.2-2 file-» 6 - 6 - - 2　　　　(719790)

$4\sin \dfrac{x}{2} - \cos x + 1 = 0$ tenglamaning $[0; 8\pi]$ kesmada nechta ildizi bor?

A) 5　B) 2　C) 3　D) 1

3406.　　6.2-2 file-» 22 - 14 - - 2　　　　(719791)

$2cos^2(x - \pi) - 3sin(\pi + x) = 3$ tenglamani yeching.

A) $\dfrac{\pi}{2} + 2\pi n,\, n \in Z$

B) $(-1)^{n+1} \cdot \dfrac{\pi}{6} + \pi n, -\dfrac{\pi}{2} + 2\pi n,\, n \in Z$

C) $\pm\dfrac{\pi}{3} + 2\pi n,\, n \in Z$

D) $\dfrac{\pi}{2} + 2\pi n, (-1)^n\dfrac{\pi}{6} + \pi n,\, n \in Z$

3407.　　6.2-2 file-» 22 - 15 - - 2　　　　(719792)

$2sin^2(\pi - x) - 5sin(0,5\pi + x) = -5$ tenglamani yeching.

A) $\pi n,\, n \in Z$　B) $\dfrac{\pi}{2} + \pi n,\, n \in Z$

C) $2\pi n,\, n \in Z$　D) $\pi + 2\pi n,\, n \in Z$

3408.　　6.2-2 file-» 6 - 7 - - 2　　　　(719793)

$\dfrac{cos2x}{\dfrac{\sqrt{2}}{2} + sinx} = 0$ tenglamaning $[0; 6\pi]$ kesmada nechta ildizi bor?

A) 8　**B)** 6　C) 4　D) 2

3409.　　6.2-2 file-» 6 - 7 - - 2　　　　(719794)

$sin2x = (cosx - sinx)^2$ tenglamaning $[0; 5\pi]$ kesmada nechta ildizi bor?

A) 4　B) 8　C) 2　**D)** 10

3410.　　6.2-2 file-» 6 - 8 - - 2　　　　(719795)

$\dfrac{1 + cosx}{sinx} = 2cos\dfrac{x}{2}$ tenglamaning $[0; \dfrac{16\pi}{3}]$ kesmada nechta ildizi bor?

A) ϕ　B) 1　C) 2　**D)** 3

3411.　　6.2-2 file-» 22 - 17 - - 2　　　　(719796)

$\dfrac{sin2x}{ctgx - cosx} = 0$ tenglamani yeching.

A) $\dfrac{\pi k}{2}, k \in Z$　B) $\dfrac{\pi}{2} + \pi k, k \in Z$

C) $2\pi k, k \in Z$　**D)** $\varnothing$

3412.　　6.2-2 file-» 22 - 18 - - 2　　　　(719797)

$\dfrac{sin2x}{sinx + tgx} = 0$ tenglamani yeching.

A) $\dfrac{\pi}{2} + \pi k, k \in Z$　B) $\pi k, k \in Z$

C) $\dfrac{\pi k}{2}, k \in Z$　**D)** $\varnothing$

3413.   6.2-2 file-» 23 - 13 - - 2   (719798)

$(1 + cosx)tg\dfrac{x}{2} + 1 = 0$ tenglamani yeching.

A) $\pi k, k \in Z$ B) $\dfrac{\pi}{2} + 2\pi k, k \in Z$

C) $-\dfrac{\pi}{2} + 2\pi k, k \in Z$ D) $\pi + \pi k, k \in Z$

3414.   6.2-2 file-» 51 - 1 - -   (719799)

$cosx + \sqrt{1 + sinx} = 0$ tenglamani yeching.

A) $-\dfrac{\pi}{2} + 2\pi k;\ k \in Z$

B) $-\dfrac{\pi}{2} + 2\pi k;\ \pi + 2\pi k;\ k \in Z$

C) $\dfrac{\pi k}{2};\ k \in Z$ D) $\emptyset$

3415.   6.2-2 file-» 51 - 1 - -   (719800)

$sinx \cdot cos\dfrac{\pi}{4} - cosx \cdot cos\dfrac{3\pi}{4} = \dfrac{1}{\sqrt{2}}$ tenglamani yeching.

A) $2\pi k;\ k \in Z$

B) $\dfrac{\pi}{2} + 2\pi k;\ k \in Z$

C) $(-1)^k \dfrac{\pi}{4} - \dfrac{\pi}{4} + \pi k;\ k \in Z$

D) $(-1)^k \dfrac{3\pi}{4} - \dfrac{\pi}{4};\ k \in Z$

3416.   6.2-2 file-» 51 - 1 - -   (719801)

$\dfrac{2\cos^2 x - 3\cos x + 1}{2\sin x - \sqrt{3}} = 0$ tenglamani yeching.

A) $\pm\dfrac{\pi}{3} + 2\pi k;\ k \in Z$

B) $\pm\dfrac{\pi}{3} + 2\pi k,\ 2\pi k;\ k \in Z$

C) $\dfrac{\pi}{3} + 2\pi k,\ 2\pi k;\ k \in Z$

D) $-\dfrac{\pi}{3} + 2\pi k,\ 2\pi k;\ k \in Z$

3417.   6.2-2 file-» 51 - 1 - -   (719802)

$(cos3x - cosx)^2 = (sin3x - sinx)^2$ tenglamani yeching.

A) $\pi k;\ k \in Z$ **B)** $\pi k,\ \dfrac{\pi}{8} + \dfrac{\pi k}{4};\ k \in Z$

C) $\dfrac{\pi}{2} + \dfrac{\pi k}{2};\ k \in Z$ D) $\dfrac{\pi k}{2};\ k \in Z$

3418.   6.2-2 file-» 51 - 2 - -   (719803)

$\dfrac{\sin 2x}{1 - \sin^2 x} = 0$ tenglamani yeching.

A) $2\pi n;\ n \in Z$ **B)** $n\pi;\ n \in Z$

C) $\dfrac{\pi}{2} + n\pi;\ n \in Z$ D) $\dfrac{n\pi}{2};\ n \in Z$

3419.   6.2-2 file-» 51 - 2 - -   (719804)

$tg\left(x + \dfrac{\pi}{3}\right) \leq \sqrt{3}$ tengsizlikni yeching.

A) $\pi k - \dfrac{5\pi}{6} < x \leq \pi k;\ k \in Z$

B) $\pi k - \dfrac{5\pi}{6} \leq x \leq \pi k;\ k \in Z$

C) $\pi k - \dfrac{\pi}{6} < x \leq \dfrac{2\pi}{3} + \pi k;\ k \in Z$

D) $\pi k - \dfrac{\pi}{6} \leq x \leq \dfrac{2\pi}{3} + \pi k;\ k \in Z$

3420.   6.2-2 file-» 58 - 1 - -   (719805)

$2\sin x + 3\cos x = 4$ tenglamani yeching.

A) $\emptyset$ B) $\dfrac{\pi}{4} + \pi n,\ n \in Z$ C) $2\pi n$

D) $\dfrac{\pi}{2} + \pi n,\ n \in Z$

3421.   6.2-3 file-» 50 - 151 - -   (704760)

$\cos 2x - \sqrt{3}\sin 2x > 0$ tengsizlikni yeching.

A) $\left(-\dfrac{\pi}{6} + \pi k;\ \dfrac{\pi}{3} + \pi k\right),\ k \in Z$

B) $\left(-\dfrac{2\pi}{3} + \pi k;\ -\dfrac{\pi}{6} + \pi k\right),\ k \in Z$

C) $\left(-\dfrac{5\pi}{12} + \pi k;\ \dfrac{\pi}{12} + \pi k\right),\ k \in Z$

D) $\left(\dfrac{\pi}{12} + \pi k;\ \dfrac{7\pi}{12} + \pi k\right),\ k \in Z$

3422.   6.2-3 file-» 50 - 151 - -   (704761)

$\cos 3x - \sqrt{3}\sin 3x > 0$ tengsizlikni yeching.

A) $\left(\dfrac{\pi}{18} + \dfrac{2}{3}\pi k;\ \dfrac{7\pi}{18} + \dfrac{2}{3}\pi k\right),\ k \in Z$

B) $\left(-\dfrac{\pi}{9} + \dfrac{2}{3}\pi k;\ \dfrac{2\pi}{9} + \dfrac{2}{3}\pi k\right),\ k \in Z$

C) $\left(-\dfrac{4\pi}{9} + \dfrac{2}{3}\pi k;\ -\dfrac{\pi}{9} + \dfrac{2}{3}\pi k\right),\ k \in Z$

D) $\left(-\dfrac{5}{18}\pi + \dfrac{2}{3}\pi k;\ \dfrac{\pi}{18} + \dfrac{2}{3}\pi k\right),\ k \in Z$

3423. 6.2-3 file-» 50 - 151 - - (704762)
$\cos 4x - \sqrt{3} \sin 4x > 0$ tengsizlikni yeching.

A) $\left(-\dfrac{5}{24}\pi + \dfrac{\pi}{2}k; \ \dfrac{\pi}{24} + \dfrac{\pi}{2}k \right), \ k \in Z$

B) $\left(\dfrac{\pi}{24} + \dfrac{\pi}{2}k; \ \dfrac{7\pi}{24} + \dfrac{\pi}{2}k \right), \ k \in Z$

C) $\left(-\dfrac{\pi}{12} + \dfrac{\pi}{2}k; \ \dfrac{\pi}{6} + \dfrac{\pi}{2}k \right), \ k \in Z$

D) $\left(-\dfrac{\pi}{3} + \dfrac{\pi}{2}k; \ -\dfrac{\pi}{12} + \dfrac{\pi}{2}k \right), \ k \in Z$

3424. 6.2-3 file-» 50 - 151 - - (704763)
$\cos 2x + \sqrt{3} \sin 2x > 0$ tengsizlikni yeching.

A) $\left(\dfrac{\pi}{6} + \pi k; \ \dfrac{2\pi}{3} + \pi k \right), \ k \in Z$

B) $\left(-\dfrac{\pi}{3} + \pi k; \ \dfrac{\pi}{6} + \pi k \right), \ k \in Z$

C) $\left(-\dfrac{\pi}{12} + \pi k; \ \dfrac{5\pi}{12} + \pi k \right), \ k \in Z$

D) $\left(\dfrac{5\pi}{12} + \pi k; \ \dfrac{11\pi}{12} + \pi k \right), \ k \in Z$

3425. 6.2-3 file-» 50 - 151 - - (704764)
$\cos 3x + \sqrt{3} \sin 3x > 0$ tengsizlikni yeching.

A) $\left(\dfrac{5\pi}{18} + \dfrac{2\pi}{3}k; \ \dfrac{11\pi}{18} + \dfrac{2\pi}{3}k \right), \ k \in Z$

B) $\left(\dfrac{\pi}{9} + \dfrac{2\pi}{3}k; \ \dfrac{4\pi}{9} + \dfrac{2\pi}{3}k \right), \ k \in Z$

C) $\left(-\dfrac{2\pi}{9} + \dfrac{2\pi}{3}k; \ \dfrac{\pi}{9} + \dfrac{2\pi}{3}k \right), \ k \in Z$

D) $\left(-\dfrac{\pi}{18} + \dfrac{2\pi}{3}k; \ \dfrac{5\pi}{18} + \dfrac{2\pi}{3}k \right), \ k \in Z$

3426. 6.2-3 file-» 50 - 151 - - (704765)
$\cos 4x + \sqrt{3} \sin 4x > 0$ tengsizlikni yeching.

A) $\left(-\dfrac{\pi}{24} + \dfrac{\pi}{2}k; \ \dfrac{5\pi}{24} + \dfrac{\pi}{2}k \right), \ k \in Z$

B) $\left(\dfrac{5\pi}{24} + \dfrac{\pi}{2}k; \ \dfrac{11\pi}{24} + \dfrac{\pi}{2}k \right), \ k \in Z$

C) $\left(\dfrac{\pi}{12} + \dfrac{\pi}{2}k; \ \dfrac{\pi}{3} + \dfrac{\pi}{2}k \right), \ k \in Z$

D) $\left(-\dfrac{\pi}{6} + \dfrac{\pi}{2}k; \ \dfrac{\pi}{12} + \dfrac{\pi}{2}k \right), \ k \in Z$

3427. 6.2-3 file-» 50 - 151 - - (704766)
$\cos 2x - \sqrt{3} \sin 2x < 0$ tengsizlikni yeching.

A) $\left(-\dfrac{\pi}{6} + \pi k; \ \dfrac{\pi}{3} + \pi k \right), \ k \in Z$

B) $\left(-\dfrac{2\pi}{3} + \pi k; \ -\dfrac{\pi}{6} + \pi k \right), \ k \in Z$

C) $\left(-\dfrac{5\pi}{12} + \pi k; \ \dfrac{\pi}{12} + \pi k \right), \ k \in Z$

D) $\left(\dfrac{\pi}{12} + \pi k; \ \dfrac{7\pi}{12} + \pi k \right), \ k \in Z$

3428. 6.2-3 file-» 50 - 151 - - (704767)
$\cos 3x - \sqrt{3} \sin 3x < 0$ tengsizlikni yeching.

A) $\left(\dfrac{\pi}{18} + \dfrac{2\pi}{3}k; \ \dfrac{7\pi}{18} + \dfrac{2\pi}{3}k \right), \ k \in Z$

B) $\left(-\dfrac{\pi}{9} + \dfrac{2\pi}{3}k; \ \dfrac{2\pi}{9} + \dfrac{2\pi}{3}k \right), \ k \in Z$

C) $\left(-\dfrac{4\pi}{9} + \dfrac{2\pi}{3}k; \ -\dfrac{\pi}{9} + \dfrac{2\pi}{3}k \right), \ k \in Z$

D) $\left(-\dfrac{5\pi}{18} + \dfrac{2\pi}{3}k; \ \dfrac{\pi}{18} + \dfrac{2\pi}{3}k \right), \ k \in Z$

3429. 6.2-3 file-» 50 - 151 - - (704768)
$\cos 4x - \sqrt{3} \sin 4x < 0$ tengsizlikni yeching.

A) $\left(-\dfrac{5\pi}{24} + \dfrac{\pi}{2}k; \ \dfrac{\pi}{24} + \dfrac{\pi}{2}k \right), \ k \in Z$

B) $\left(\dfrac{\pi}{24} + \dfrac{\pi}{2}k; \ \dfrac{7\pi}{24} + \dfrac{\pi}{2}k \right), \ k \in Z$

C) $\left(-\dfrac{\pi}{12} + \dfrac{\pi}{2}k; \ \dfrac{\pi}{6} + \dfrac{\pi}{2}k \right), \ k \in Z$

D) $\left(-\dfrac{\pi}{3} + \dfrac{\pi}{2}k; \ -\dfrac{\pi}{12} + \dfrac{\pi}{2}k \right), \ k \in Z$

3430. 6.2-3 file-» 50 - 151 - - (704769)
$\cos 2x + \sqrt{3} \sin 2x < 0$ tengsizlikni yeching.

A) $\left(\dfrac{\pi}{6} + \pi k; \ \dfrac{2\pi}{3} + \pi k \right), \ k \in Z$

B) $\left(-\dfrac{\pi}{3} + \pi k; \ \dfrac{\pi}{6} + \pi k \right), \ k \in Z$

C) $\left(-\dfrac{\pi}{12} + \pi k; \ \dfrac{5\pi}{12} + \pi k \right), \ k \in Z$

D) $\left(\dfrac{5\pi}{12} + \pi k; \ \dfrac{11\pi}{12} + \pi k \right), \ k \in Z$

3431. 6.2-3 file-» 50 - 151 - - (704770)
$\cos 3x + \sqrt{3} \sin 3x < 0$ tengsizlikni yeching.

A) $\left(\dfrac{5\pi}{18} + \dfrac{2\pi}{3}k; \ \dfrac{11\pi}{18} + \dfrac{2\pi}{3}k \right), \ k \in Z$

B) $\left(\dfrac{\pi}{9} + \dfrac{2\pi}{3}k; \ \dfrac{4\pi}{9} + \dfrac{2\pi}{3}k \right), \ k \in Z$

C) $\left(-\dfrac{2\pi}{9} + \dfrac{2\pi}{3}k; \ \dfrac{\pi}{9} + \dfrac{2\pi}{3}k \right), \ k \in Z$

D) $\left(-\dfrac{\pi}{18} + \dfrac{2\pi}{3}k; \ \dfrac{5\pi}{18} + \dfrac{2\pi}{3}k \right), \ k \in Z$

3432. 6.2-3 file-» 50 - 151 - - (704771)
$\cos 4x + \sqrt{3} \sin 4x < 0$ tengsizlikni yeching.

A) $\left(-\dfrac{\pi}{24} + \dfrac{\pi}{2}k; \ \dfrac{5\pi}{24} + \dfrac{\pi}{2}k \right), \ k \in Z$

B) $\left(\dfrac{5\pi}{24} + \dfrac{\pi}{2}k; \ \dfrac{11\pi}{24} + \dfrac{\pi}{2}k \right), \ k \in Z$

C) $\left(\dfrac{\pi}{12} + \dfrac{\pi}{2}k; \ \dfrac{\pi}{3} + \dfrac{\pi}{2}k \right), \ k \in Z$

D) $\left(-\dfrac{\pi}{6} + \dfrac{\pi}{2}k; \ \dfrac{\pi}{12} + \dfrac{\pi}{2}k \right), \ k \in Z$

3433.   6.2-3 file-» 50 - 151 - -   (704772)
$\cos 3x + 4\cos x > 0$ tengsizlikni yeching.

A) $\left(-\dfrac{\pi}{2} + 2\pi k;\ \dfrac{\pi}{2} + 2\pi k\right),\ k \in Z$

B) $\left(\dfrac{\pi}{2} + 2\pi k;\ \dfrac{3\pi}{2} + 2\pi k\right),\ k \in Z$

C) $(2\pi k,\ \pi + 2\pi k),\ k \in Z$

D) $(-\pi + 2\pi k,\ 2\pi k),\ k \in Z$

3434.   6.2-3 file-» 50 - 151 - -   (704773)
$\cos 6x + 4\cos 2x > 0$ tengsizlikni yeching.

A) $\left(-\dfrac{\pi}{2} + \pi k;\ \pi k\right),\ k \in Z$

B) $\left(-\dfrac{\pi}{4} + \pi k;\ \dfrac{\pi}{4} + \pi k\right),\ k \in Z$

C) $\left(\dfrac{\pi}{4} + \pi k;\ \dfrac{3\pi}{4} + \pi k\right),\ k \in Z$

D) $\left(\pi k;\ \dfrac{\pi}{2} + \pi k\right),\ k \in Z$

3435.   6.2-3 file-» 50 - 151 - -   (704774)
$\cos 9x + 4\cos 3x > 0$ tengsizlikni yeching.

A) $\left(\dfrac{2\pi}{3}k;\ \dfrac{\pi}{3} + \dfrac{2\pi}{3}k\right),\ k \in Z$

B) $\left(-\dfrac{\pi}{3} + \dfrac{2\pi}{3}k;\ \dfrac{2\pi}{3}k\right),\ k \in Z$

C) $\left(-\dfrac{\pi}{6} + \dfrac{2\pi}{3}k;\ \dfrac{\pi}{6} + \dfrac{2\pi}{3}k\right),\ k \in Z$

D) $\left(\dfrac{\pi}{6} + \dfrac{2\pi}{3}k;\ \dfrac{\pi}{2} + \dfrac{2\pi}{3}k\right),\ k \in Z$

3436.   6.2-3 file-» 50 - 151 - -   (704775)
$\cos 3x + 4\cos x < 0$ tengsizlikni yeching.

A) $\left(-\dfrac{\pi}{2} + 2\pi k;\ \dfrac{\pi}{2} + 2\pi k\right),\ k \in Z$

B) $\left(\dfrac{\pi}{2} + 2\pi k;\ \dfrac{3\pi}{2} + 2\pi k\right),\ k \in Z$

C) $(2\pi k;\ \pi + 2\pi k),\ k \in Z$

D) $(-\pi + 2\pi k;\ 2\pi k),\ k \in Z$

3437.   6.2-3 file-» 50 - 151 - -   (704776)
$\cos 6x + 4\cos 2x < 0$ tengsizlikni yeching.

A) $\left(-\dfrac{\pi}{2} + \pi k;\ \pi k\right),\ k \in Z$

B) $\left(-\dfrac{\pi}{4} + \pi k;\ \dfrac{\pi}{4} + \pi k\right),\ k \in Z$

C) $\left(\dfrac{\pi}{4} + \pi k;\ \dfrac{3\pi}{4} + \pi k\right),\ k \in Z$

D) $\left(\pi k;\ \dfrac{\pi}{2} + \pi k\right),\ k \in Z$

3438.   6.2-3 file-» 50 - 151 - -   (704777)
$\cos 9x + 4\cos 3x < 0$ tengsizlikni yeching.

A) $\left(\dfrac{2\pi}{3}k;\ \dfrac{\pi}{3} + \dfrac{2\pi}{3}k\right),\ k \in Z$

B) $\left(-\dfrac{\pi}{3} + \dfrac{2\pi}{3}k;\ \dfrac{2\pi}{3}k\right),\ k \in Z$

C) $\left(-\dfrac{\pi}{6} + \dfrac{2\pi}{3}k;\ \dfrac{\pi}{6} + \dfrac{2\pi}{3}k\right),\ k \in Z$

D) $\left(\dfrac{\pi}{6} + \dfrac{2\pi}{3}k;\ \dfrac{\pi}{2} + \dfrac{2\pi}{3}k\right),\ k \in Z$

3439.   6.2-3 file-» 50 - 151 - -   (704778)
$\sin 3x - 4\sin x > 0$ tengsizlikni yeching.

A) $\left(-\dfrac{\pi}{2} + 2\pi k;\ \dfrac{\pi}{2} + 2\pi k\right),\ k \in Z$

B) $\left(\dfrac{\pi}{2} + 2\pi k;\ \dfrac{3\pi}{2} + 2\pi k\right),\ k \in Z$

C) $(2\pi k;\ \pi + 2\pi k),\ k \in Z$

D) $(-\pi + 2\pi k;\ 2\pi k),\ k \in Z$

3440.   6.2-3 file-» 50 - 151 - -   (704779)
$\sin 6x - 4\sin 2x > 0$ tengsizlikni yeching.

A) $\left(-\dfrac{\pi}{2} + \pi k;\ \pi k\right),\ k \in Z$

B) $\left(-\dfrac{\pi}{4} + \pi k;\ \dfrac{\pi}{4} + \pi k\right),\ k \in Z$

C) $\left(\dfrac{\pi}{4} + \pi k;\ \dfrac{3\pi}{4} + \pi k\right),\ k \in Z$

D) $\left(\pi k;\ \dfrac{\pi}{2} + \pi k\right),\ k \in Z$

3441.   6.2-3 file-» 50 - 151 - -   (704780)
$\sin 9x - 4\sin 3x > 0$ tengsizlikni yeching.

A) $\left(\dfrac{2\pi}{3}k;\ \dfrac{\pi}{3} + \dfrac{2\pi}{3}k\right),\ k \in Z$

B) $\left(-\dfrac{\pi}{3} + \dfrac{2\pi}{3}k;\ \dfrac{2\pi}{3}k\right),\ k \in Z$

C) $\left(-\dfrac{\pi}{6} + \dfrac{2\pi}{3}k;\ \dfrac{\pi}{6} + \dfrac{2\pi}{3}k\right),\ k \in Z$

D) $\left(\dfrac{\pi}{6} + \dfrac{2\pi}{3}k;\ \dfrac{\pi}{2} + \dfrac{2\pi}{3}k\right),\ k \in Z$

3442.   6.2-3 file-» 50 - 151 - -   (704781)
$\sin 3x - 4\sin x < 0$ tengsizlikni yeching.

A) $\left(-\dfrac{\pi}{2} + 2\pi k;\ \dfrac{\pi}{2} + 2\pi k\right),\ k \in Z$

B) $\left(\dfrac{\pi}{2} + 2\pi k;\ \dfrac{3\pi}{2} + 2\pi k\right),\ k \in Z$

C) $(2\pi k;\ \pi + 2\pi k),\ k \in Z$

D) $(-\pi + 2\pi k;\ 2\pi k),\ k \in Z$

3443. 6.2-3 file-» 50 - 151 - - (704782)
$\sin 6x - 4\sin 2x < 0$ tengsizlikni yeching.

A) $\left(-\dfrac{\pi}{2} + \pi k; \ \pi k\right), \ k \in Z$

B) $\left(-\dfrac{\pi}{4} + \pi k; \ \dfrac{\pi}{4} + \pi k\right), \ k \in Z$

C) $\left(\dfrac{\pi}{4} + \pi k; \ \dfrac{3\pi}{4} + \pi k\right), \ k \in Z$

D) $\left(\pi k; \ \dfrac{\pi}{2} + \pi k\right), \ k \in Z$

3444. 6.2-3 file-» 50 - 151 - - (704783)
$\sin 9x - 4\sin 3x < 0$ tengsizlikni yeching.

A) $\left(\dfrac{2\pi}{3}k; \ \dfrac{\pi}{3} + \dfrac{2\pi}{3}k\right), \ k \in Z$

B) $\left(-\dfrac{\pi}{3} + \dfrac{2\pi}{3}k; \ \dfrac{2\pi}{3}k\right), \ k \in Z$

C) $\left(-\dfrac{\pi}{6} + \dfrac{2\pi}{3}k; \ \dfrac{\pi}{6} + \dfrac{2\pi}{3}k\right), \ k \in Z$

D) $\left(\dfrac{\pi}{6} + \dfrac{2\pi}{3}k; \ \dfrac{\pi}{2} + \dfrac{2\pi}{3}k\right), \ k \in Z$

3445. 6.2-3 file-» 51 - 1 - - (719806)
$2cos7x + cos3x + \sqrt{3}sin3x = 0$ tenglamani yeching.

A) $\dfrac{2\pi}{15} + \dfrac{\pi k}{5}, \ -\dfrac{\pi}{12} + \dfrac{\pi k}{2}; \ k \in Z$

B) $\dfrac{\pi}{12} + \dfrac{\pi k}{5}, \ \dfrac{7\pi}{24} + \dfrac{\pi k}{2}; \ k \in Z$

C) $\dfrac{\pi}{15} + \dfrac{2\pi k}{5}, \ \dfrac{\pi}{3} + \dfrac{\pi k}{2}; \ k \in Z$

D) $\dfrac{2\pi}{15} + \dfrac{\pi k}{5}, \ \dfrac{\pi}{6} + \dfrac{\pi k}{2}; \ k \in Z$

3446. 6.2-3 file-» 51 - 2 - - (719807)
$\cos 2x + \cos 8x - \cos 6x = 1$ tenglama $\left[0; \dfrac{\pi}{2}\right]$ oraliqda nechta ildizga ega?

A) 4   B) 3   C) 5   D) 6

3447. 6.2-3 file-» 51 - 2 - - (719808)
$\dfrac{\sin^2 x - \dfrac{1}{2}}{\cos x - \dfrac{\sqrt{2}}{2}} = 0$ tenglamani yeching.

A) $\pm\dfrac{\pi}{4} + 2\pi k; \ k \in Z$ B) $\dfrac{3\pi}{4} + \pi k; \ k \in Z$

C) $\pm\dfrac{3\pi}{4} + 2\pi k; \ k \in Z$ D) $\dfrac{\pi}{4} + \dfrac{\pi}{2}k; \ k \in Z$

3448. 6.2-3 file-» 51 - 2 - - (719809)
$\cos 4x + 2\sin 2x = 1$ tenglama $(0; 3\pi)$ da nechta ildizga ega?

A) 8   B) 7   C) 5   D) 6

3449. 6.2-3 file-» 50 - 157 - - (719810)
$\sin 2x - \sqrt{3}\cos 2x > 0$ tengsizlikni yeching.

A) $\left(\dfrac{\pi}{6} + \pi k; \ \dfrac{2\pi}{3} + \pi k\right), \ k \in Z$

B) $\left(-\dfrac{\pi}{3} + \pi k; \ \dfrac{\pi}{6} + \pi k\right), \ k \in Z$

C) $\left(-\dfrac{\pi}{12} + \pi k; \ \dfrac{5\pi}{12} + \pi k\right), \ k \in Z$

D) $\left(\dfrac{5\pi}{12} + \pi k; \ \dfrac{11\pi}{12} + \pi k\right), \ k \in Z$

3450. 6.2-3 file-» 50 - 157 - - (719811)
$\sin 3x - \sqrt{3}\cos 3x > 0$ tengsizlikni yeching.

A) $\left(\dfrac{5\pi}{18} + \dfrac{2\pi}{3}k; \ \dfrac{11\pi}{18} + \dfrac{2\pi}{3}k\right), \ k \in Z$

B) $\left(\dfrac{\pi}{9} + \dfrac{2\pi}{3}k; \ \dfrac{4\pi}{9} + \dfrac{2\pi}{3}k\right), \ k \in Z$

C) $\left(-\dfrac{2\pi}{9} + \dfrac{2\pi}{3}k; \ \dfrac{\pi}{9} + \dfrac{2\pi}{3}k\right), \ k \in Z$

D) $\left(-\dfrac{\pi}{18} + \dfrac{2\pi}{3}k; \ \dfrac{5\pi}{18} + \dfrac{2\pi}{3}k\right), \ k \in Z$

3451. 6.2-3 file-» 50 - 157 - - (719812)
$\sin 4x - \sqrt{3}\cos 4x > 0$ tengsizlikni yeching.

A) $\left(-\dfrac{\pi}{24} + \dfrac{\pi}{2}k; \ \dfrac{5\pi}{24} + \dfrac{\pi}{2}k\right), \ k \in Z$

B) $\left(\dfrac{5\pi}{24} + \dfrac{\pi}{2}k; \ \dfrac{11\pi}{24} + \dfrac{\pi}{2}k\right), \ k \in Z$

C) $\left(\dfrac{\pi}{12} + \dfrac{\pi}{2}k; \ \dfrac{\pi}{3} + \dfrac{\pi}{2}k\right), \ k \in Z$

D) $\left(-\dfrac{\pi}{6} + \dfrac{\pi}{2}k; \ \dfrac{\pi}{12} + \dfrac{\pi}{2}k\right), \ k \in Z$

3452. 6.2-3 file-» 50 - 157 - - (719813)
$\sin 2x + \sqrt{3}\cos 2x > 0$ tengsizlikni yeching.

A) $\left(-\dfrac{\pi}{6} + \pi k; \ \dfrac{\pi}{3} + \pi k\right), \ k \in Z$

B) $\left(-\dfrac{2\pi}{3} + \pi k; \ -\dfrac{\pi}{6} + \pi k\right), \ k \in Z$

C) $\left(-\dfrac{5\pi}{12} + \pi k; \ \dfrac{\pi}{12} + \pi k\right), \ k \in Z$

D) $\left(\dfrac{\pi}{12} + \pi k; \ \dfrac{7\pi}{12} + \pi k\right), \ k \in Z$

3453. 6.2-3 file-» 50 - 157 - - (719814)
$\sin 3x + \sqrt{3}\cos 3x > 0$ tengsizlikni yeching.

A) $\left(\dfrac{\pi}{18} + \dfrac{2\pi}{3}k; \ \dfrac{7\pi}{18} + \dfrac{2\pi}{3}k\right), \ k \in Z$

B) $\left(-\dfrac{\pi}{9} + \dfrac{2\pi}{3}k; \ \dfrac{2\pi}{9} + \dfrac{2\pi}{3}k\right), \ k \in Z$

C) $\left(-\dfrac{4\pi}{9} + \dfrac{2\pi}{3}k; \ -\dfrac{\pi}{9} + \dfrac{2\pi}{3}k\right), \ k \in Z$

D) $\left(-\dfrac{5\pi}{18} + \dfrac{2\pi}{3}k; \ \dfrac{\pi}{18} + \dfrac{2\pi}{3}k\right), \ k \in Z$

3454. 6.2-3 file-» 50 - 157 - - (719815)
$\sin 4x + \sqrt{3}\cos 4x > 0$ tengsizlikni yeching.

A) $\left(-\dfrac{5\pi}{24} + \dfrac{\pi}{2}k; \ \dfrac{\pi}{24} + \dfrac{\pi}{2}k\right), \ k \in Z$

B) $\left(\dfrac{\pi}{24} + \dfrac{\pi}{2}k; \ \dfrac{7\pi}{24} + \dfrac{\pi}{2}k\right), \ k \in Z$

C) $\left(-\dfrac{\pi}{12} + \dfrac{\pi}{2}k; \ \dfrac{\pi}{6} + \dfrac{\pi}{2}k\right), \ k \in Z$

D) $\left(-\dfrac{\pi}{3} + \dfrac{\pi}{2}k; \ -\dfrac{\pi}{12} + \dfrac{\pi}{2}k\right), \ k \in Z$

3455. 6.2-3 file-» 50 - 157 - - (719816)
$\sin 2x - \sqrt{3}\cos 2x < 0$ tengsizlikni yeching.

A) $\left(\dfrac{\pi}{6} + \pi k; \ \dfrac{2\pi}{3} + \pi k\right), \ k \in Z$

B) $\left(-\dfrac{\pi}{3} + \pi k; \ \dfrac{\pi}{6} + \pi k\right), \ k \in Z$

C) $\left(-\dfrac{\pi}{12} + \pi k; \ \dfrac{5\pi}{12} + \pi k\right), \ k \in Z$

D) $\left(\dfrac{5\pi}{12} + \pi k; \ \dfrac{11\pi}{12} + \pi k\right), \ k \in Z$

3456. 6.2-3 file-» 50 - 157 - - (719817)
$\sin 3x - \sqrt{3}\cos 3x < 0$ tengsizlikni yeching.

A) $\left(\dfrac{5\pi}{18} + \dfrac{2\pi}{3}k; \ \dfrac{11\pi}{18} + \dfrac{2\pi}{3}k\right), \ k \in Z$

B) $\left(\dfrac{\pi}{9} + \dfrac{2\pi}{3}k; \ \dfrac{4\pi}{9} + \dfrac{2\pi}{3}k\right), \ k \in Z$

C) $\left(-\dfrac{2\pi}{9} + \dfrac{2\pi}{3}k; \ \dfrac{\pi}{9} + \dfrac{2\pi}{3}k\right), \ k \in Z$

D) $\left(-\dfrac{\pi}{18} + \dfrac{2\pi}{3}k; \ \dfrac{5\pi}{18} + \dfrac{2\pi}{3}k\right), \ k \in Z$

3457. 6.2-3 file-» 50 - 157 - - (719818)
$\sin 4x - \sqrt{3}\cos 4x < 0$ tengsizlikni yeching.

A) $\left(-\dfrac{\pi}{24} + \dfrac{\pi}{2}k; \ \dfrac{5\pi}{24} + \dfrac{\pi}{2}k\right), \ k \in Z$

B) $\left(\dfrac{5\pi}{24} + \dfrac{\pi}{2}k; \ \dfrac{11\pi}{24} + \dfrac{\pi}{2}k\right), \ k \in Z$

C) $\left(\dfrac{\pi}{12} + \dfrac{\pi}{2}k; \ \dfrac{\pi}{3} + \dfrac{\pi}{2}k\right), \ k \in Z$

D) $\left(-\dfrac{\pi}{6} + \dfrac{\pi}{2}k; \ \dfrac{\pi}{12} + \dfrac{\pi}{2}k\right), \ k \in Z$

3458. 6.2-3 file-» 50 - 157 - - (719819)
$\sin 2x + \sqrt{3}\cos 2x < 0$ tengsizlikni yeching.

A) $\left(-\dfrac{\pi}{6} + \pi k; \ \dfrac{\pi}{3} + \pi k\right), \ k \in Z$

B) $\left(-\dfrac{2\pi}{3} + \pi k; \ -\dfrac{\pi}{6} + \pi k\right), \ k \in Z$

C) $\left(-\dfrac{5\pi}{12} + \pi k; \ \dfrac{\pi}{12} + \pi k\right), \ k \in Z$

D) $\left(\dfrac{\pi}{12} + \pi k; \ \dfrac{7\pi}{12} + \pi k\right), \ k \in Z$

3459. 6.2-3 file-» 50 - 157 - - (719820)
$\sin 3x + \sqrt{3}\cos 3x < 0$ tengsizlikni yeching.

A) $\left(\dfrac{\pi}{18} + \dfrac{2\pi}{3}k; \ \dfrac{7\pi}{18} + \dfrac{2\pi}{3}k\right), \ k \in Z$

B) $\left(-\dfrac{\pi}{9} + \dfrac{2\pi}{3}k; \ \dfrac{2\pi}{9} + \dfrac{2\pi}{3}k\right), \ k \in Z$

C) $\left(-\dfrac{4\pi}{9} + \dfrac{2\pi}{3}k; \ -\dfrac{\pi}{9} + \dfrac{2\pi}{3}k\right), \ k \in Z$

D) $\left(-\dfrac{5\pi}{18} + \dfrac{2\pi}{3}k; \ \dfrac{\pi}{18} + \dfrac{2\pi}{3}k\right), \ k \in Z$

3460. 6.2-3 file-» 50 - 157 - - (719821)
$\sin 4x + \sqrt{3}\cos 4x < 0$ tengsizlikni yeching.

A) $\left(-\dfrac{5\pi}{24} + \dfrac{\pi}{2}k; \ \dfrac{\pi}{24} + \dfrac{\pi}{2}k\right), \ k \in Z$

B) $\left(\dfrac{\pi}{24} + \dfrac{\pi}{2}k; \ \dfrac{7\pi}{24} + \dfrac{\pi}{2}k\right), \ k \in Z$

C) $\left(-\dfrac{\pi}{12} + \dfrac{\pi}{2}k; \ \dfrac{\pi}{6} + \dfrac{\pi}{2}k\right), \ k \in Z$

D) $\left(-\dfrac{\pi}{3} + \dfrac{\pi}{2}k; \ -\dfrac{\pi}{12} + \dfrac{\pi}{2}k\right), \ k \in Z$