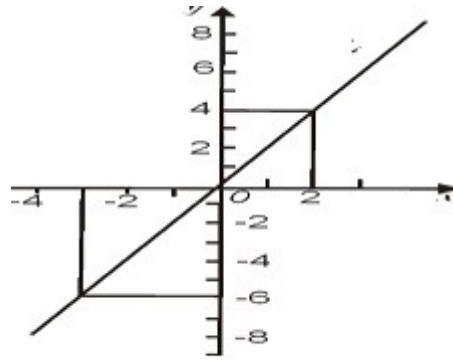


8-sinf matematika (PISSA test)

1. Grafigi rasmdagi to'g'ri chiziq bilan tasvirlangan funksiyaning formulasini toping.



A. $y=3x$

B. $y=2x$

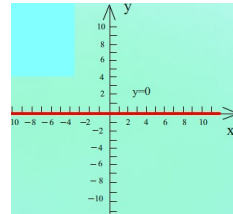
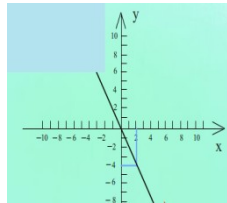
C. $y=5x$

D. $y=0.2x$

2. $y=-2x$ funksiya grafigi ko'rsatilgan javobni ko'rsating

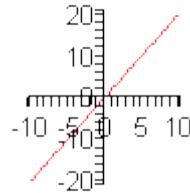
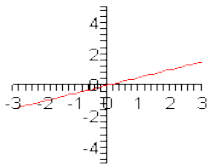
A.

B.



C.

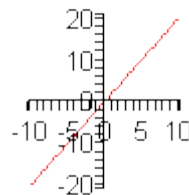
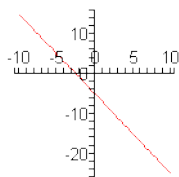
D.



3. $y=x$ funksiyagrafiginiko'rsating.

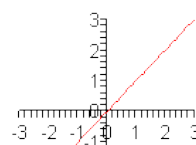
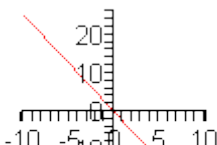
A.

B.



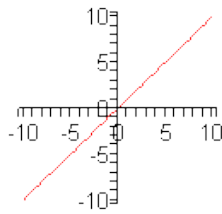
C.

D.

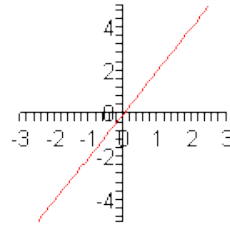


4. $y=2x$ funksiya grafigini ko`rsating.

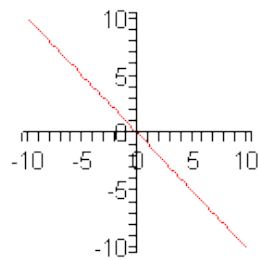
A.



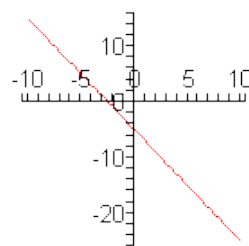
B.



C.



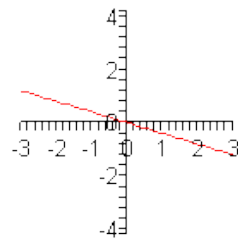
D.



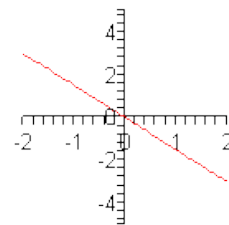
5. $y= -0,4x$

funksiya grafigini ko`rsating.

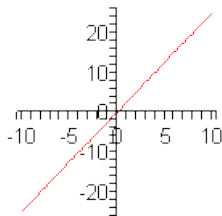
A.



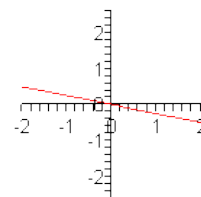
B.



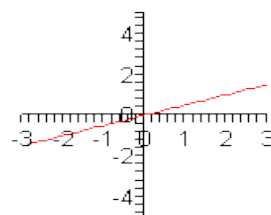
C.



D.



6. Berilgan grafik quyidagi funksiyalarning qaysi biriga tegishli?



A. $y=-2x$

B. $y=2x$

C. $y=0,5x$

D. $y=4x$

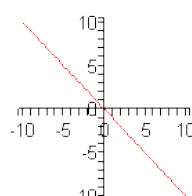
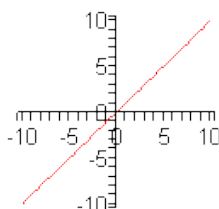
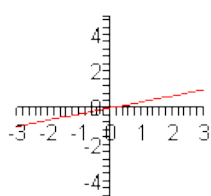
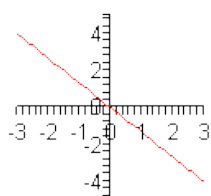
7. Agar B(3;-4) nuqta $y=kx$ funksiyaning grafigiga tegishli ekani ma'lum bo'lsa, shu funksiyaning grafigini yasang.

A.

B.

C.

D.



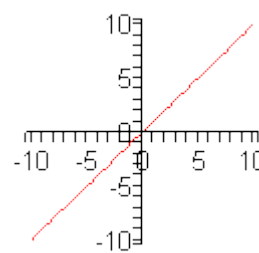
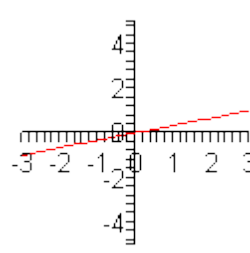
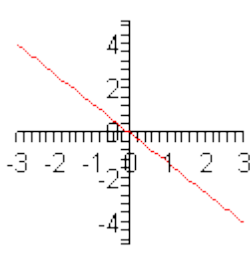
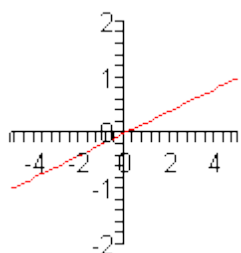
8. Agar C(5;1) nuqta $y=kx$ funksiyaning grafigiga tegishli ekani ma'lum bo'lsa, shu funksiyaning grafigini yasang.

A.

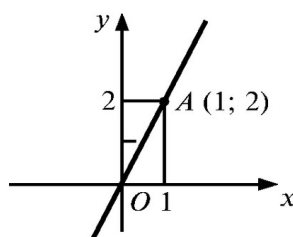
B.

C.

D.



9. Grafigi rasmdagi to'g'ri chiziq bilan tasvirlangan funksiyani formula bilan yozing.



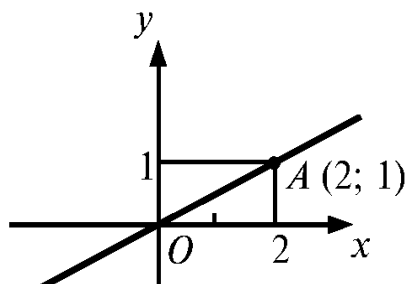
A. $y=-2x$

B. $y=2x$

C. $y=0,5x$

D. $y=4x$

10. Grafigi rasmdagi to'g'ri chiziq bilan tasvirlangan funksiyani formula bilan yozing.



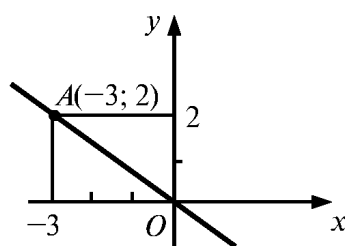
A. $y = -2x$

B. $y = 2x$

C. $y = 0,5x$

D. $y = 4x$

11. Grafigi rasmdagi to'g'ri chiziq bilan tasvirlangan funktsiyani formula bilan yozing.



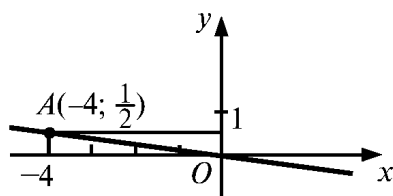
A. $y = -2x$

B. $y = 2x$

C. $y = 0,5x$

D. $y = -\frac{2}{3}x$

12. Grafigi rasmdagi to'g'ri chiziq bilan tasvirlangan funktsiyani formula bilan yozing.



A. $y = -2x$

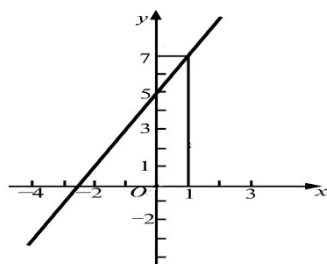
B. $y = -\frac{1}{8}x$

C. $y = 0,5x$

D. $y = -\frac{2}{3}x$

$-\frac{2}{3}x$

13. Grafigi rasmdagi to'g'ri chiziq bilan tasvirlangan funktsiyaning formulasini toping.



A. $y = 3x - 4$
 $y = 5x + 2$

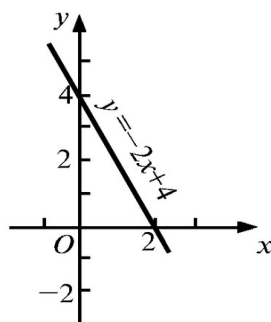
B.

D. $y = 0.2x$

$y = 2x + 5$

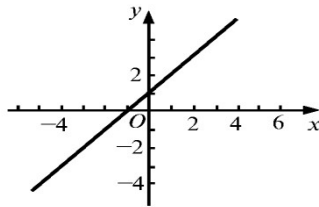
C.

14. $y = -2x + 4$ funktsiya grafigining koordinata o'qlari bilan kesishish nuqtalarini toping.



- A. Grafikning absissalar o'qi bilan kesishish nuqtasi (2; 0) koordinataga, ordinatalar o'qi bilan kesishish nuqtasi (0; 4) koordinataga ega bo'ladi
- B. Grafikning absissalar o'qi bilan kesishish nuqtasi (2; 4) koordinataga, ordinatalar o'qi bilan kesishish nuqtasi (0; 2) koordinataga ega bo'ladi
- C. Grafikning absissalar o'qi bilan kesishish nuqtasi (2; 0) koordinataga, ordinatalar o'qi bilan kesishish nuqtasi (2; 4) koordinataga ega bo'ladi
- D. Grafikning absissalar o'qi bilan kesishish nuqtasi (0; 2) koordinataga, ordinatalar o'qi bilan kesishish nuqtasi (4; 0) koordinataga ega bo'ladi

15. Grafigi rasmdagi to'g'ri chiziq bilan tasvirlangan funksiyaning formulasini toping.



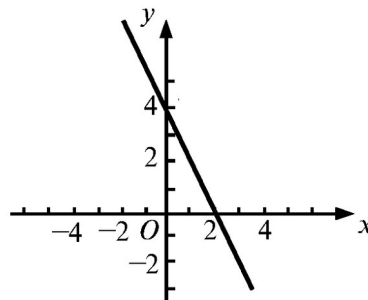
A. $y=3x-4$
 $y=5x+2$

D. $y=x+1$

B. $y=2x+5$

C.

16. Grafigi rasmdagi to'g'ri chiziq bilan tasvirlangan funksiyaning formulasini toping.



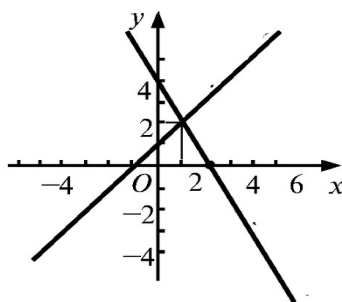
A. $y=3x-4$
 $y=4-2x$

B.
D. $y=x+1$

$y=2x+5$

C.

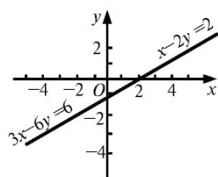
17. Grafigi rasmda tasvirlangan sistemani toping.



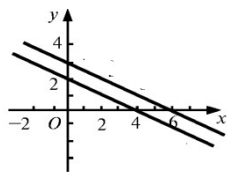
- A. $\begin{cases} x - y = -1 \\ 2x + y = 4 \end{cases}$ $\begin{cases} x - y = -1 \\ 2x + y = 4 \end{cases}$ B. $\begin{cases} x = y - 5 \\ 2x + 3y = 4 \end{cases}$ $\begin{cases} x = y - 5 \\ 2x + 3y = 4 \end{cases}$ C. $\begin{cases} 3x - y = -1 \\ x + y = 4 \end{cases}$
 $\begin{cases} 3x - y = -1 \\ x + y = 4 \end{cases}$ D. $\begin{cases} x + y = 8 \\ 2x + y = 14 \end{cases}$ $\begin{cases} x + y = 8 \\ 2x + y = 14 \end{cases}$

18. $\begin{cases} x + 2y = 6 \\ 2x + 4y = 8 \end{cases}$ $\begin{cases} x + 2y = 6 \\ 2x + 4y = 8 \end{cases}$ Quydagi tenglamalar sistemasining grafigi ko'rsatilgan javobni ko'rsating

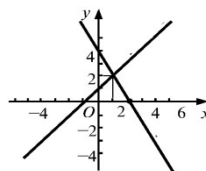
A.



B.

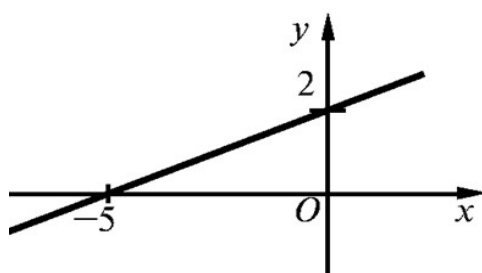


C.



D. To'g'ri javob ko'rsatilmagan

19. Rasmda $y = kx + b$ chiziqli funksiyaning grafigi tasvirlangan. $x < 0$ bo'lganda y qanday qiymatlar qabul qilishini tengsizlik yordamida yozing.



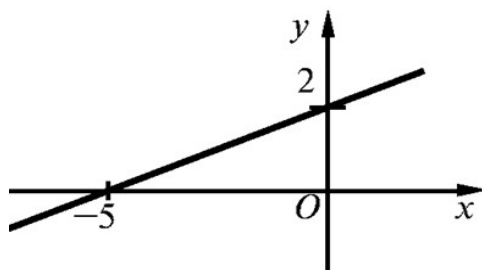
A. $y < 2$
 $y > 2$

D. $y \geq 4$

B. $y \leq 0$

C.

20. Rasmda $y = kx + b$ chiziqli funksiyaning grafigi tasvirlangan. $x \leq -5$ bo'lganda y qanday qiymatlar qabul qilishini tengsizlik yordamida yozing.



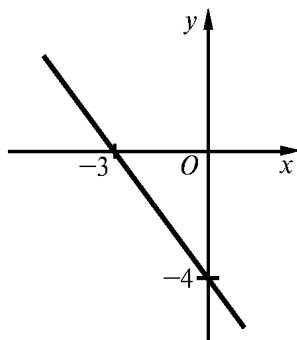
A. $y < 2$

B. $y \leq 0$

C. $y > 2$

D. $y \geq 4$

21. Rasmda $y = kx + b$ chiziqli funksiyaning grafigi tasvirlangan. x ning qanday qiymatlarida y funksiyaning qiymatlari nomanfiy bo'lishini tengsizlik yordamida yozing.



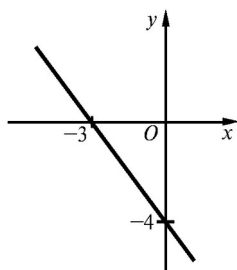
A. $x < 2$
 $x < 0$

B. $x > 0$

C. $x \leq -3$

D.

22. Rasmda $y = kx + b$ chiziqli funksiyaning grafigi tasvirlangan. x ning qanday qiymatlarida y funksiyaning qiymatlari -4 dan kichik bo'lishini tengsizlik yordamida yozing.



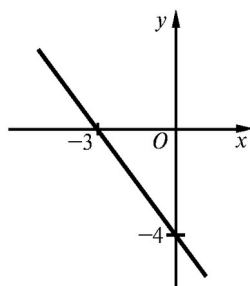
A. $x < 2$

B. $x > 0$

C. $x \leq -3$

D. $x < 0$

23. Rasmda $y = kx + b$ chiziqli funksiyaning grafigi tasvirlangan. x ning qanday qiymatlarida y funksiyaning qiymatlari -4 dan katta bo'lishini tengsizlik yordamida yozing.



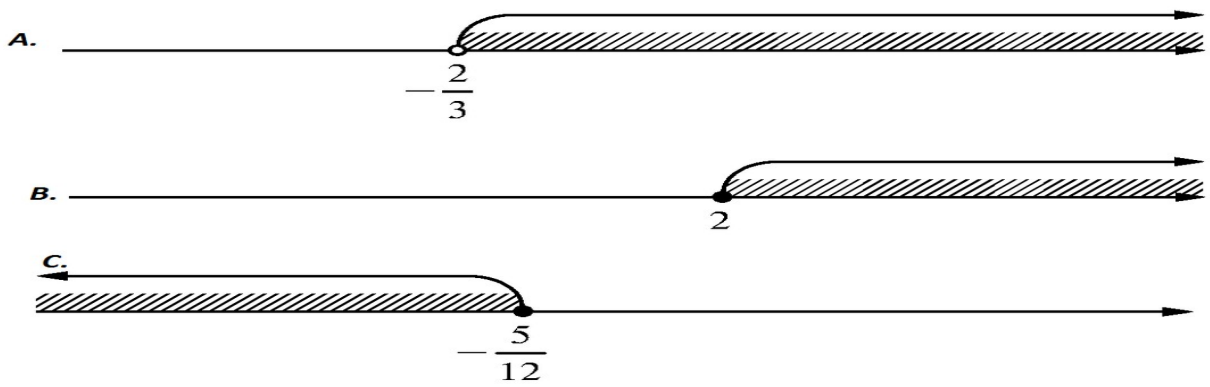
A. $x < 2$

B. $x > 0$

C. $x \leq -3$

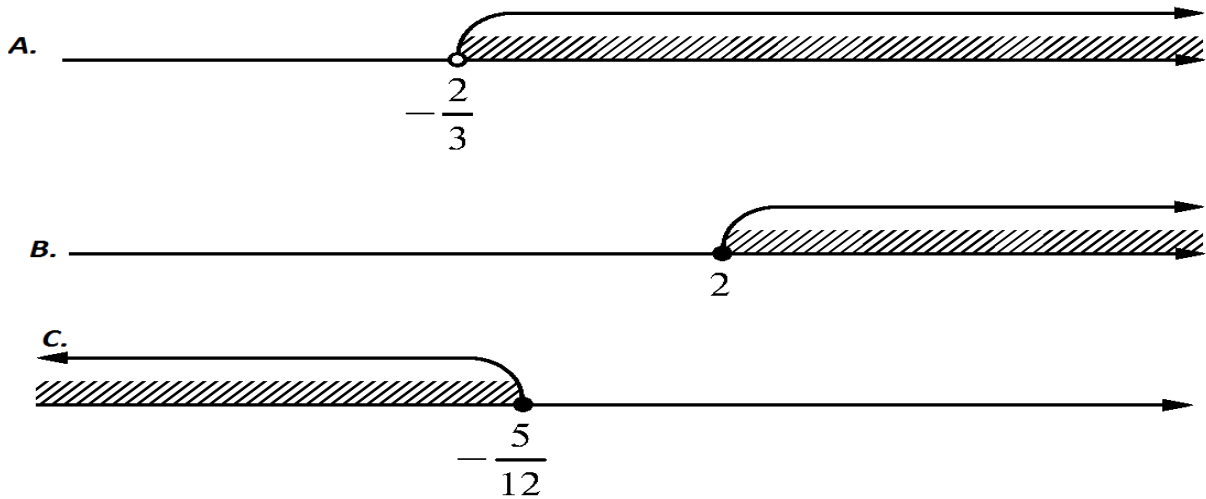
D. $x < 0$

24. Tengsizlikni yeching: $3(x-2)-4(x+1) < 2(x-3)-2$.



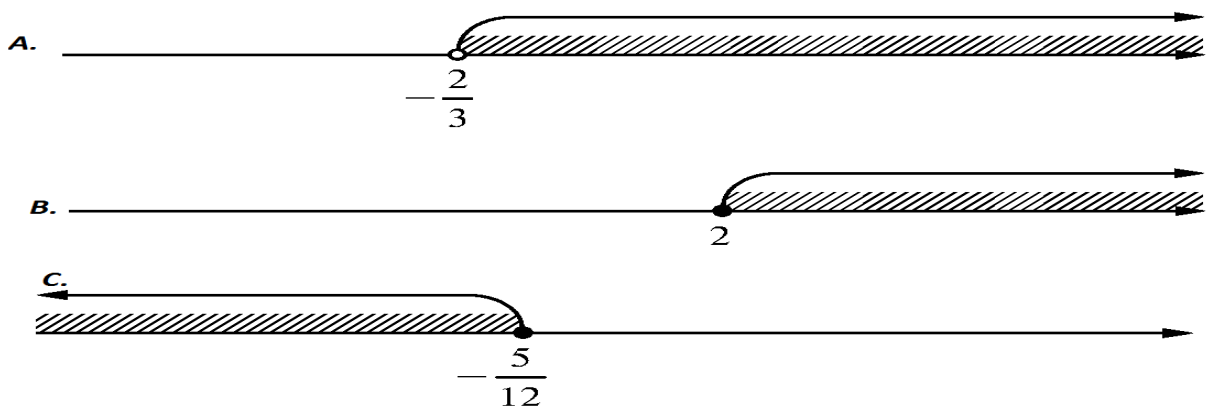
D.x-istalgan son

25. Tengsizlikni yeching: $\frac{x-5}{6} + 1 \geq \frac{5x}{2} - \frac{x-3}{3} - \frac{x-5}{6} + 1 \geq \frac{5x}{2} - \frac{x-3}{3}$



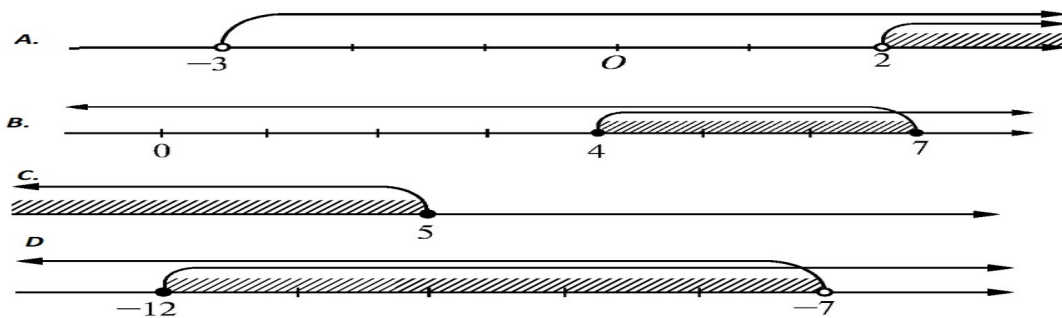
D.x-istalgan son

26. Tengsizlikni yeching: $2(x+1)+5>3-(1-2x)$



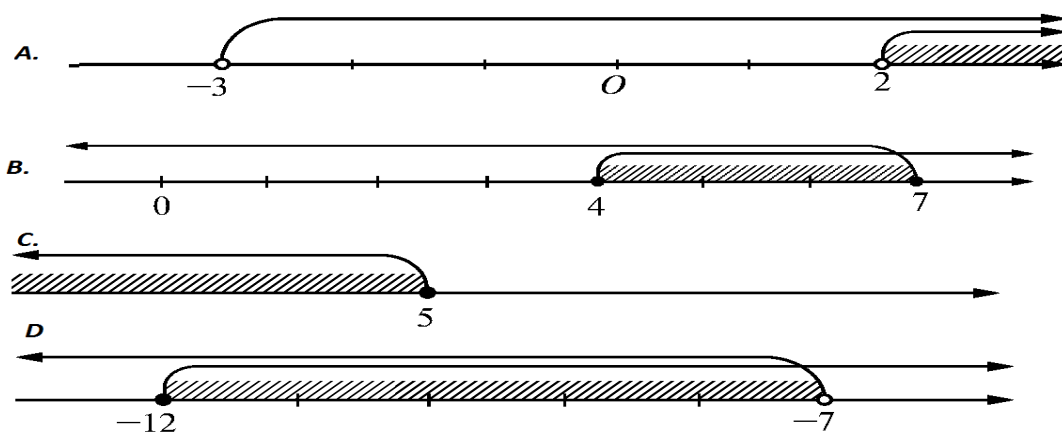
D.x-istalgan son

27. Tengsizliklar sistemasini yeching $\begin{cases} 3(x-1) \leq 2x+4 \\ 4x-3 \geq 13 \end{cases} \begin{cases} 3(x-1) \leq 2x+4 \\ 4x-3 \geq 13 \end{cases}$



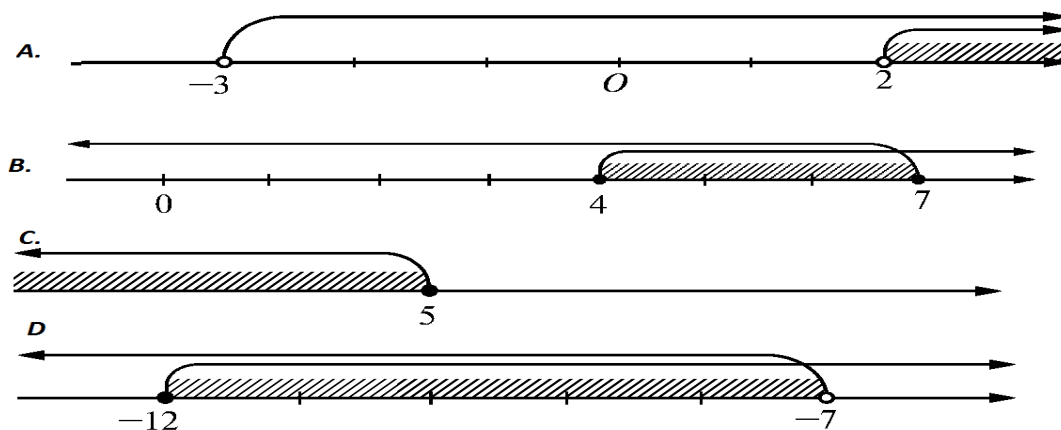
$$\begin{cases} \frac{5x}{12} + \frac{4}{3} \geq \frac{x+1}{3} \\ 2 - \frac{5x}{14} < \frac{2-x}{2} \end{cases} \begin{cases} \frac{5x}{12} + \frac{4}{3} \geq \frac{x+1}{3} \\ 2 - \frac{5x}{14} < \frac{2-x}{2} \end{cases}$$

28. Tengsizliklar sistemasini yeching

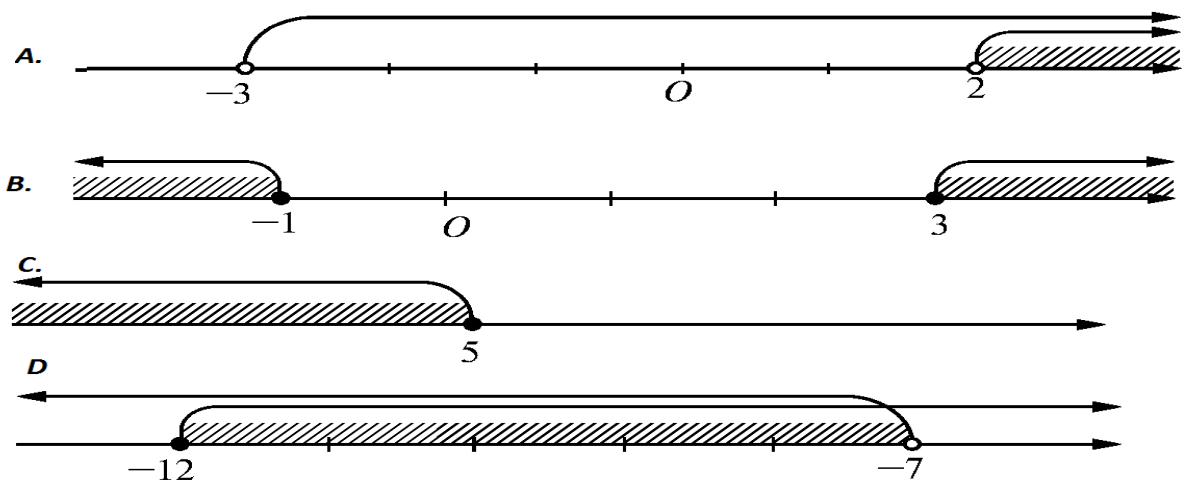


$$\begin{cases} 5x - 1 > 3(x+1) \\ 2(x+4) > x+5 \end{cases} \begin{cases} 5x - 1 > 3(x+1) \\ 2(x+4) > x+5 \end{cases}$$

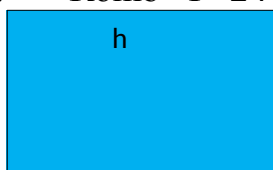
29. Tengsizliklar sistemasini yeching



30. Tengsizlikni yeching $|x-1| \geq 2$

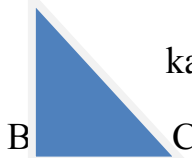


31. Romb $P=24$ sm, $h=3$ sm. Rombning burchaklarini toping.



- A) 30° va 150° B) 40° va 140° C) 80° va 100° D) 70° va 110°

32. A $AC=25$ sm, katetlari 3:4 kabi nisbatda. Uchburchakning kichik katetini toping.

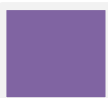


- A) 10 sm B) 15 sm C) 9 sm D) 12sm

33. To'rtburchakning burchaklari o'zaro 3:5:4:6 nisbatda . To'rtburchakning kichik burchagini toping.

- A) 30° B) 45° C) 90° D) 60°

34. Kvadratga ichki chizilgan to'rtburchakning uchlari kvadrat tomonlarining o'rtalarida yotadi. Agar to'rtburchakning yuzi 36 ga teng bo'lsa, kvadratning yuzi-?



- A) 70 B) 74 C) 77 D) 72

35. Agar to'g'ri to'rtburchakning tomonlari 4 marta orttirilsa, uning yuzi necha marta ortadi ?



- A) 4 B) 8 C) 12 D) 16

36. Parallelogrammning diagonali tomonlari bilan 20° va 50° li burchaklar tashkil qiladi. Unung katta burchagini toping.



- A) 100° B) 145° C) 130° D) 110°

37. Teng yonli trapetsiyaning $P=36$ sm, o'rta chizig'i 10 sm . Yon tomoni uzunligini toping.



- A) 10 sm B) 8 sm C) 9 sm D) 12 sm

38. Parallelogrammning yuzi 288 sm^2 , balandliklari 16 sm va 24 sm bo'lsa, uning perimetrini toping.



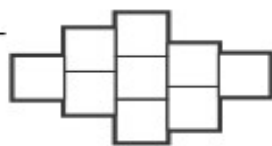
- A) 40 sm B) 30 sm C) 80 sm D) 60 sm

39. Teng yonli uchburshakning balandligi 20 sm , asosi 30 sm . Uchburchakning yon tomonini toping.



- A) 25 sm B) 30 sm C) 50 sm D) 26 sm

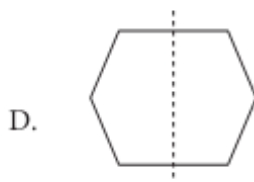
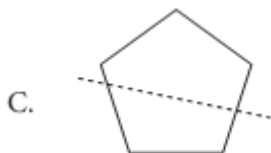
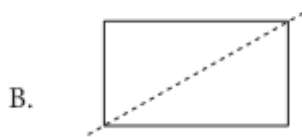
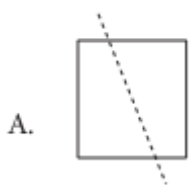
40. Ushbu figura tomoni 1 sm ga teng bo'lgan 9 ta kvadratlardan tuzilgan.



Figuraning perimetri necha santimetr bo'lishi mumkin?

- A) 30 sm b) 15 sm c) 24 sm d) 18 sm

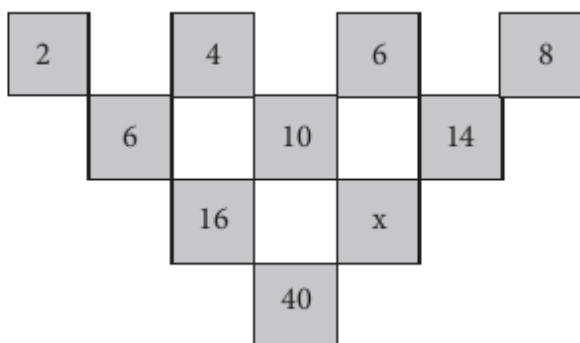
41. Quyidagi rasmlardan qaysi birida simmetriya ўqi tasvirlangan?



42. Ketma-ketlikning n -hadini toping.

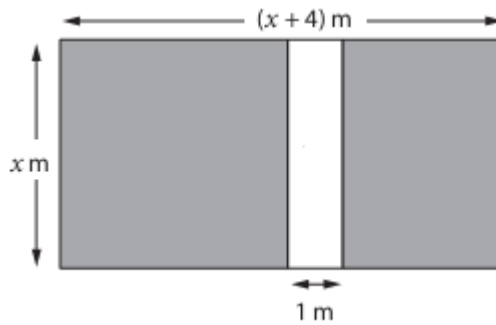
$$\frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{4}{5}, \frac{5}{6}$$

43.

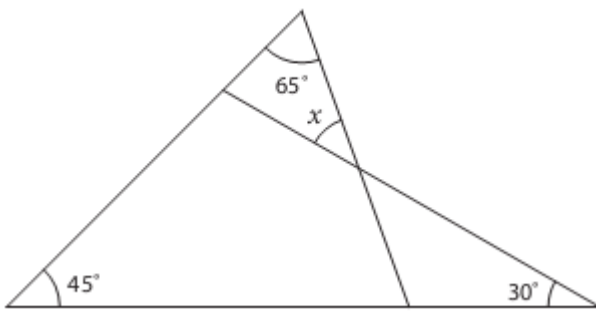


x ni toping.

44. Rasmda tasvirlangan bog'da kengligi 1 metr bo'lgan yo'lak o'tkazilgan. Bo'yalgan sohaning yuzini toping.

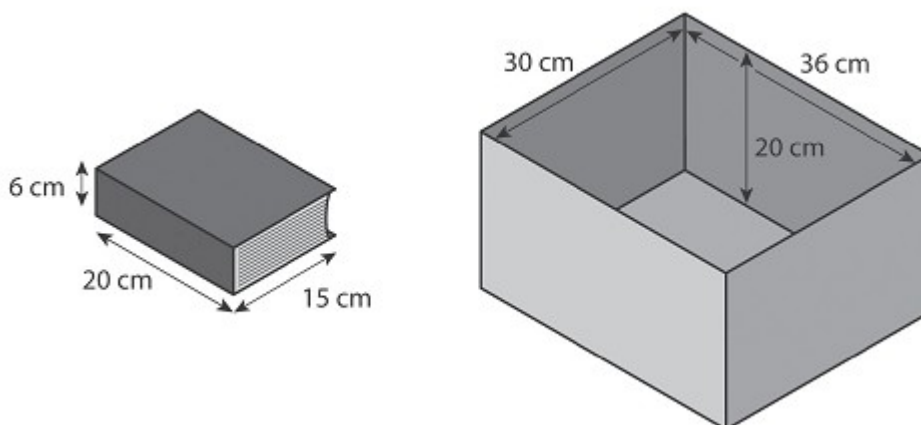


45.



x NI TOPING.

46. Rasmda berilgan qutiga eng ko'pi bilan nechta kitob sig'adi.



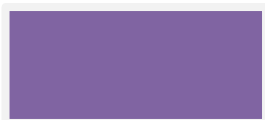
47. Parallelogramm burchaklaridan biri 66° . O'tmas burchakdan o'tkir burchakni ayirmasini toping.



48. Parallelogramm burchaklaridan biri ikkinchisidan 70° katta. Parallelogrammning o'tkir burchagini toping.



49. To'rtburchak shaklidagi paxta maydoni xaritada yuzi 12 sm^2 bo'lgan to'rtburchak bilan tasvirlanadi. Agar xarita masshtabi $1:1000$ bo'lsa, maydonning haqiqiy yuzini hisoblang.



50. To'rtburchakning uchta burchagi 56° , 87° va 134° ga tengligi ma'lum. Uning to'rtinchi burchagini toping.