O‘zbekiston Respublikasi
Maktabgacha va maktab ta’limi vazirligi huzuridagi
Ixtisoslashtirilgan ta’lim muassasalari agentligi
2022-2023 o‘quv yili III-chorak
Ixtisoslik fanlaridan choraklik summativ baholash test savollari.
(aniq fanlar yo‘nalishi)
7-sinf
I VARIANT

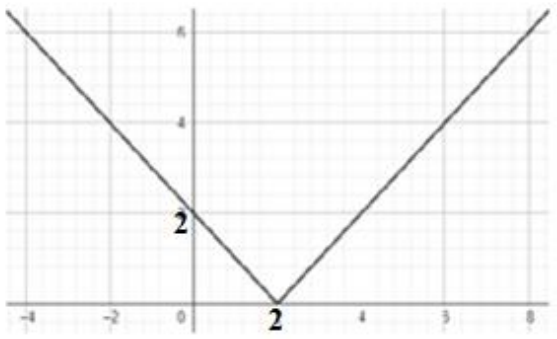
1-12 algebra, 13-20 geometriya, 21-35 fizika, 36-50 ingliz tili.
(B-bilish; Q-qo‘llash; M-mulohazaga oid test savollari)

O‘quvchi (F.I.SH).....

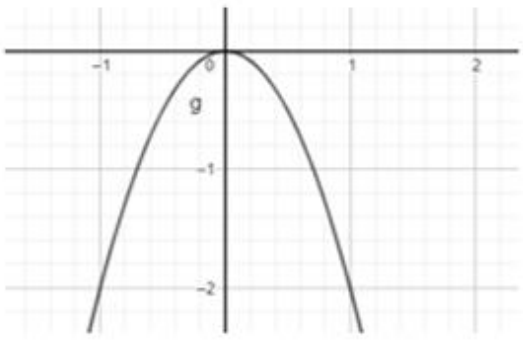
1. (B. 2,5 ball). Berilgan funksiyalarga mos grafikni toping:

$y_1 = -2x^2 \quad y_2 = -x^3 \quad y_3 = |x-2| \quad y_4 = \frac{2}{x} - 1$

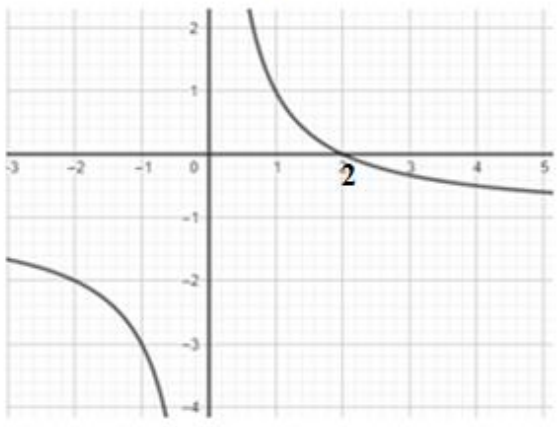
I)



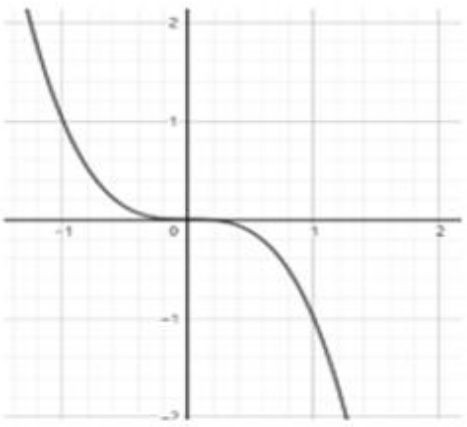
II)



III)

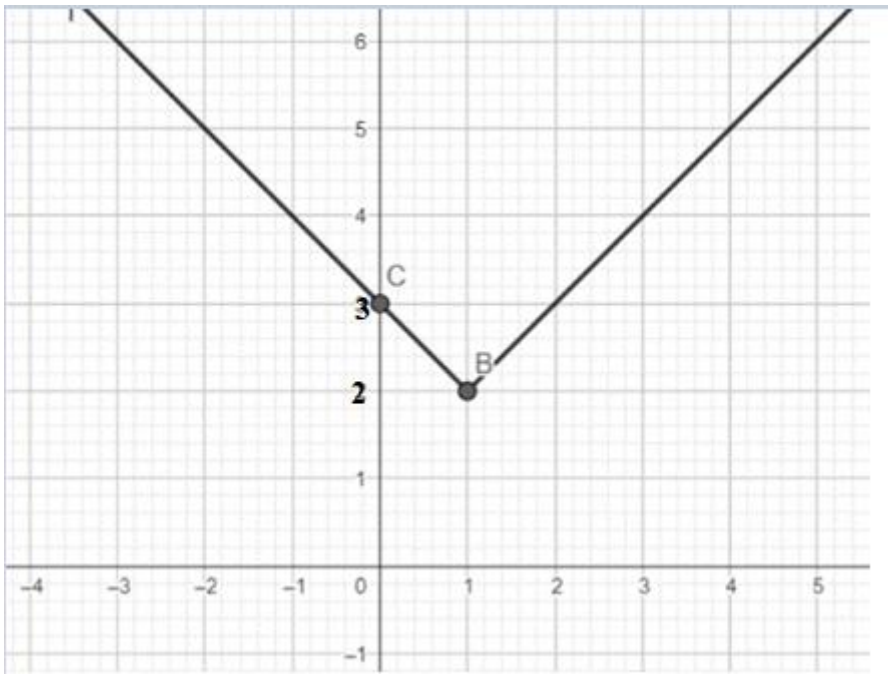


IV)



A) $y_1 - II \quad y_2 - IV \quad y_3 - I \quad y_4 - III$ B) $y_1 - III \quad y_2 - II \quad y_3 - IV \quad y_4 - I$
C) $y_1 - III \quad y_2 - IV \quad y_3 - II \quad y_4 - I$ D) $y_1 - IV \quad y_2 - III \quad y_3 - I \quad y_4 - II$

2. (B. 2,5 ball). Berilgan grafikka mos funksiyani toping:



A) $y = |x - 2| + 1$ B) $y = |x + 1| - 2$ C) $y = |x + 2| - 1$ D) $y = |x - 1| + 2$

3. (B. 2,5 ball) Determinantni hisoblang: $\begin{vmatrix} 9 & 7 \\ 11 & 12 \end{vmatrix}$

A) -13 B) -31 C) 31 D) 13

4. (Q. 3,5 ball) $3x + 2y = 13$ tenglamani natural sonlarda yeching va y ni qanoatlantiruvchi natural qiymatlari yig‘indisini toping.

A) 8 B) 7 C) 3 D) 4

5. (Q. 3,5 ball) Tenglamalar sistemasini yeching va $x - y$ ning qiymatini toping:

$$\begin{cases} \frac{x}{2} + \frac{y}{3} = 3 \\ \frac{x}{3} + \frac{y}{2} = \frac{8}{3} \end{cases}$$

A) 3 B) 6 C) 4 D) 2

6. (Q. 3,5 ball) Modul qatnashgan tenglamani yeching va ildizlari ko‘paytmasini toping:
$|4x - 2| = 10$

A) -6 B) 6 C) -10 D) 10

7. (Q. 3,5 ball) Agar ikki son yig‘indisining uchlangani ular ayirmasining ikkilanganidan 8 ta ortiq, shu sonlar yig‘indisining ikkilangani ular ayirmasidan 6 ta ortiq bo‘lsa, shu sonlarni toping.

A) (1;-3) B) (-1;3) C) (3;1) D) (1;3)

8. (Q. 3,5 ball) a va b ning qanday qiymatlarida tenglamalar sistemasi cheksiz ko‘p yechimga ega. $\begin{cases} 3x - by = 10{,}5 \\ ax - 6y = 7 \end{cases}$

A) $a = -2; b = 9$ B) $a = 2; b = 9$ C) $a = 2; b = -9$ D) $a = -2; b = -9$

9. (Q. 3,5 ball)30 kishidan 22 tasi raqs to‘garagiga, 17 tasi xorda ashula aytadi. Necha kishi faqat raqs to‘garagiga qatnashadi?

A) 8 B) 10 C) 12 D) 13

10. (Q. 3,5 ball) Oiladagi hamma bolalar sport to‘garaklariga borishadi. Ularning 7 tasi shaxmat, 6 tasi voleybol, 5 tasi futbol, 4 tasi shaxmat va valeybol, 3 tasi voleybol va futbol, 2 tasi shaxmat futbol, 1 tasi esa uchala to‘garakka ham boradi. Bu oiladi necha tasi bola bor?

A) 10 B) 8 C) 12 D) 13

11. (Q. 3,5 ball) (2;-7) nuqta qaysi funksiyaga tegishli.

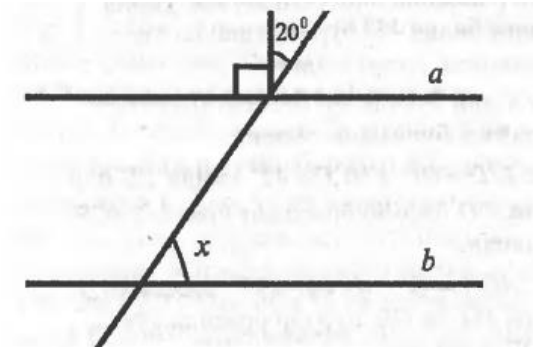
1) $y = 3x - 9$ 2) $y = \frac{4}{x} - 9$ 3) $y = |x - 9|$ 4) $y = 3{,}5x^2$

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

12. (M. 4,5 ball) $y = |2x - 3| - 2$ funksiya grafigi koordinata tekisligining qaysi choraklaridan o‘tadi.

A) II;III;IV. B) I;II;III. C) I;II;IV. D) I;III;IV.

13. (B. 4,5 ball) Rasmdagi noma’lum x ni toping. $a||b$

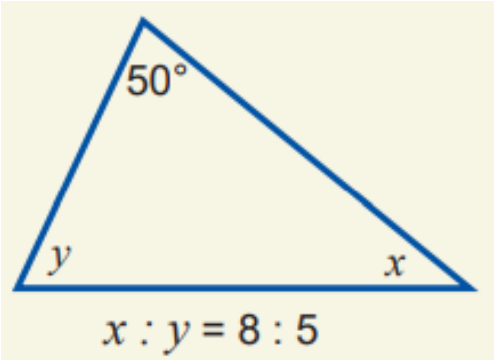


A) 60^0 B) 70^0 C) 20^0 D) 110^0

14. (B. 4,5 ball) Uchburchakning ikki tashqi burchagi 120° va 135° bo‘lsa, ichki burchaklaridan kattasini toping.

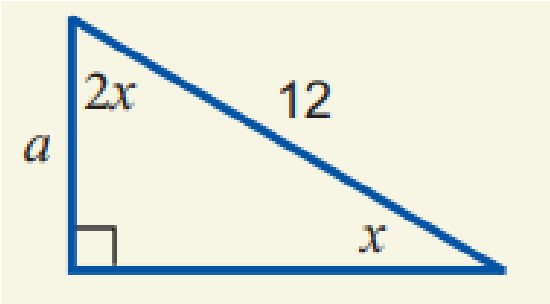
A) 75^0 B) 120^0 C) 60^0 D) 45^0

15. (Q. 5 ball) Rasmdagi ma’lumotlardan foydalanib $x - y$ ning qiymatini toping.



A) 130^0 B) 50^0 C) 20^0 D) 30^0

16. (Q. 5 ball) Rasmdagi noma'lum a ni toping.



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

17. (Q. 5 ball) Agar to'g'ri burchakli uchburchakning bir burchagi 60^0 ga va shu burchakka yopishgan kateti 12 ga teng bo'lsa, gipotenuza uzunligini toping.

A) 24 B) 15 C) 20 D) 10

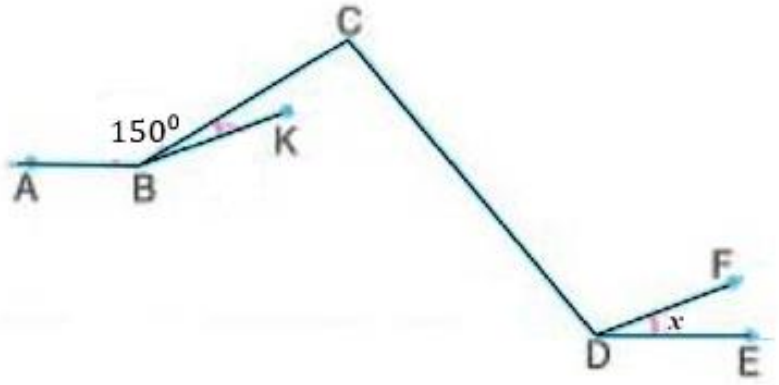
18. (Q. 5 ball) To'g'ri burchakli uchburchakning bir burchagi 60^0, kichik kateti uzunligi 23 dm bo'lsa, shu uchburchak katta tomoni va kichik tomoni uzunliklari yig'indisini toping.

A) 23 dm B) 69 dm C) 46 dm D) 92 dm

19. (Q. 5 ball) To'g'ri burchakli uchburchakning katta tomoni 36 m bo'lsa, uning gipotenuzasiga tushirilgan mediana uzunligini toping.

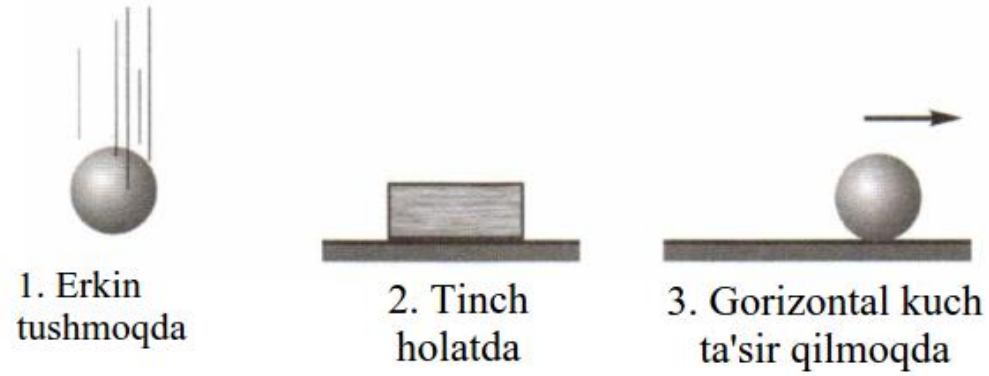
A) 6 m B) 24 m C) 36 m D) 18 m

20. (M. 6 ball) $BA \| DE,\ BK \| DF$, $\angle ABC = 150^0$ va $\angle CBK = 10^0$. yuqoridagilardan foydalanib $\angle EDF = x$ ni qiymatini toping.



A) 10^0 B) 15^0 C) 20^0 D) 25^0

21. (B. 2 ball) Qanday hollarda og'irlik kuchi ish bajaradi (rasmga q)?



A) faqat 1 B) 1 va 2 C) faqat 3 D) faqat 2