ÖSYM

T.C. Ölçme, Seçme ve Yerleştirme Merkezi

TÜRKİYE YURT DIŞINDAN ÖĞRENCİ KABUL SINAVI

(2026 - TR-YÖS/1)

12 NİSAN 2026

Bu testlerin her hakkı saklıdır. Hangi amaçla olursa olsun, testlerin tamamının veya bir kısmının Merkezimizin yazılı izni olmadan kopya edilmesi, fotoğrafının çekilmesi, herhangi bir yolla çoğaltılması, yayımlanması ya da kullanılması yasaktır. Bu yasağa uymayanlar gerekli cezai sorumluluğu ve testlerin hazırlanmasındaki mali külfeti peşinen kabullenmiş sayılır.

Bu testte 40 soru vardır.

This test consists of 40 questions.

1.

$$1-\cfrac{2}{2-\cfrac{3}{4}}=?$$
$$1-\frac{6}{11}$$

A) $\frac{1}{11}$ B) 1 C) 2 D) $\frac{3}{11}$ E) 11

2.

$$1-\cfrac{1}{2-\cfrac{1}{3-\cfrac{1}{4}}}=?$$

A) $\frac{8}{9}$ B) $\frac{9}{10}$ C) $\frac{10}{11}$ D) $\frac{7}{18}$ E) $\frac{9}{14}$

3.

$$1+\cfrac{2-\cfrac{1}{3}}{4-\cfrac{1}{4}}=?$$

A) $\frac{9}{13}$ B) 1 C) $\frac{13}{9}$ D) $\frac{1}{19}$ E) 13

4.

$$8^2\cdot\left(4\cdot2^{-5}+2\cdot4^{-3}\right)=?$$

A) 64 B) 32 C) 16 D) 12 E) 10

5.

$$5\cdot3^{2a}+9^{a+1}=42$$

$$\Rightarrow a=?$$

A) $\frac{1}{64}$ B) 1 C) $\frac{1}{2}$ D) 2 E) 4

6.

$$\frac{\sqrt{180}+\sqrt{45}}{\sqrt{20}}=?$$

A) 6 B) 5,5 C) 5 D) 4,5 E) 4

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7.

$$\left(\sqrt{99}+\frac{22}{\sqrt{11}}\right)\cdot\frac{8}{\sqrt{44}}=?$$

A) 20 B) 11 C) 9 D) 8 E) 4

8.

$$\frac{20^2-25^2}{11^2-14^2}=?$$

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

9.

B2A | 9 = 8

BA2 | 4 = 2

$A \neq B \Rightarrow A \cdot B = ?$

A) 4 B) 18 C) 24 D) 28 E) 32

10.

$$\begin{array}{r} AB \\ \times\ CB \\ \hline 336 \end{array}$$

BA | BC = . . | 1 = 1

$\Rightarrow A+B+C=?$ $\Rightarrow A \cdot B = ?$

A) 3 B) 4 C) 5 D) 6 E) 7

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11.

$$\begin{array}{r} A43 \\ +\ 22B \\ \hline 11BA \end{array}$$

$\Rightarrow \mathbf{A - B = ?}$

A)1 B)2 C)3 D)4 E)5

12.

$x, y \in R$

$\dfrac{x}{y} = \dfrac{1}{2}$ $\qquad 2x + y = 8$

$\Rightarrow x + y = ?$

A) 6 B) 3 C) 2 D) 1 E) 0

13.

$\left(\dfrac{7!}{9!} + \dfrac{5!}{7!}\right) \cdot \dfrac{9!}{5!} = ?$

A) 154 B) 128 C) 118 D) 116 E) 114

14.

$1 + \dfrac{1}{1 - \dfrac{1}{3 - x}} = \dfrac{1}{2}$

$\Rightarrow x = ?$

A) $\dfrac{1}{3}$ B) $\dfrac{10}{3}$ C) 3 D) $\dfrac{1}{9}$ E) $\dfrac{8}{3}$

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15.

$a, b \in Z^+$

$$\left.\begin{array}{l} a^2 - 8 < 6 \\ 3 < a + 2b < 2a + 1 \end{array}\right\} \Rightarrow b = ?$$

A) 3 B) 2 C) 1 D) 0 E) −1

16.

$$\frac{a \cdot b}{c} < 0 < b \cdot c < a \cdot c < c^2$$

$\Rightarrow \quad ? < ? < ?$

A) $a < b < c$ B) $c < a < b$

C) $b < c < a$ D) $b < a < c$

E) $c < b < a$

17.

$a < 0 < b$

$$\frac{|b| - |a|}{|a - b|} = \frac{1}{4} \Rightarrow \frac{a}{a + b} = ?$$

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

18.

$$\sqrt{2x} + \sqrt{y} = 4$$

$$\sqrt{x} - \sqrt{2y} = \sqrt{5}$$

$\Rightarrow \mathbf{x + y} = ?$

A)4 B)5 C)6 D)7 E)8

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19.

$x < 0 < y$

$\Rightarrow \ |5\cdot x\,|+|x-8|-|\,6y\,| \ = \ ?$

A) $6x-6y$ B) 0 C) $6-8x-8y$
D) $8-x-y$ E) $8-6x-6y$

21.

$$\left.\begin{array}{l} a+2\cdot b\cdot c=38 \\ b+2\cdot a\cdot c=-18 \\ a+b=-4 \end{array}\right\} \Rightarrow a\cdot b\cdot c=?$$

A) 9 B) 18 C) 24 D) 36 E) 154

24.

$2X + Y + Z = -3$
$2X + Z = 2$
$Y + Z = 1$
$X - Y + Z = ?$

A) 9 B) 8 C) 7 D) 6 E) 5

22.

$A\cap D=\varnothing$
$A\cup B=\{\,1\,\}$
$A\cup C=\{\,1\,,\,2\,\}$
$B\cup C\cup D=\{\,2\,,\,3\,\}$

$\Rightarrow \ (C\cup D)\setminus(A\cap B)=?$

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

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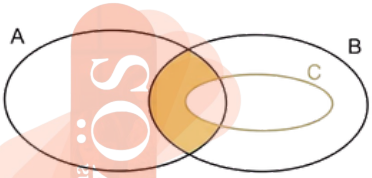
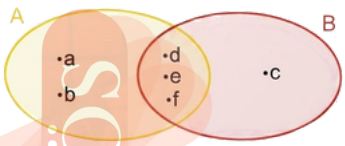
23.



$\Rightarrow$ Taralı Alan (*Shaded Area*) = ?

A) $C \cup D$ B) $A \cap B$ C) $(A \cap B) \backslash C$
D) $C \cap D$ E) $(A \cup B) \backslash C$

24.



$f : A \to B \quad f(x) = |x|$

$A = \{-3, -1, 0, 1, 2\}$

$\Rightarrow a \cdot b \cdot c = ?$

A) -6 B) -3 C) 0 D) 2 E) 9

25.

$f(x) = g(x+1)$

$g(x+3) = x+5$

$\Rightarrow (g \circ f)(1) = ?$

A) 19 B) 17 C) 16 D) 6 E) 5

26.

$f\left(\frac{x+2}{3}\right) = \frac{4x+5}{6} + \frac{7}{a}$

$f\left(\frac{1}{3}\right) = \frac{9}{a}$

$\Rightarrow a = ?$

A) 12 B) 14 C) 19 D) 29 E) 58

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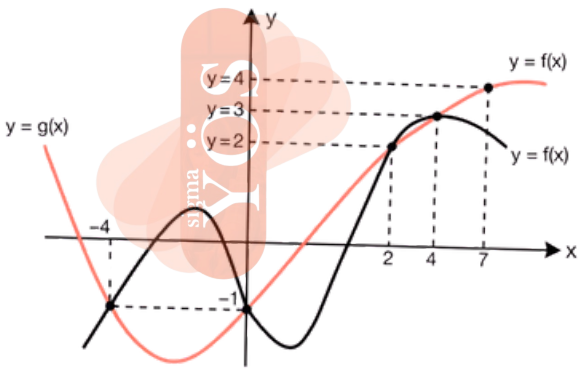
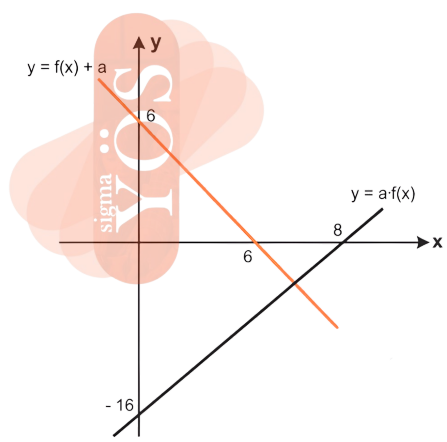
27.



$\Rightarrow (f \circ g)(7)+(f+g)(2)+(f\ \ g)(-4)=?$

A) 3 B) 4 C) 6 D) 8 E) 10

28.



$\Rightarrow a=?$

A) 3 B) 2 C) 1 D) - 2 E) – 4

29.

$P(x) = a \cdot x^2 + 4 \cdot x + b$

$P(0) = P(1)$

$P(2) = 12$

$\Rightarrow a+b=?$

A) 12 B) 16 C) 24 D) 28 E) 32

30.

$a, b \in Z^+$

$P(x) = a \cdot x^2 + b \cdot x + a \cdot b$

$P(1) + P(-1) = 14$

$\Rightarrow a+2b=?$

A) 11 B) 12 C) 13 D) 18 E) 22

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31. ABC bir üçgendir.

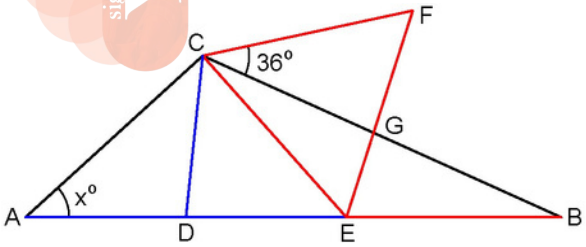
ABC is a triangle.

ABC ist ein Dreieck.

ABC est un triangle.

ABC – треугольник.

ABC مثلث.



$D, E \in [AB]$, $[BC] \cap [EF] = \{G\}$,

$|AD| = |CD| = |DE|$,

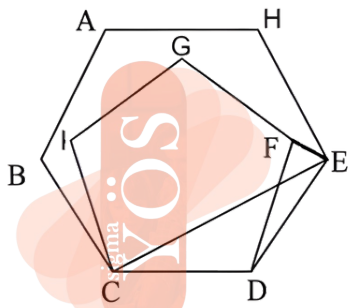
$|BE| = |CE| = |CF| = |EF|$,

$m(\widehat{GCF}) = 36^\circ$, $m(\widehat{BAC}) = x^\circ$

$\Rightarrow$ **x = ?**

A)40 B)42 C)44 D)46 E)48

32.



ABCDEH Düzgün altıgen

CDFGI Düzgün beşgen

$\Rightarrow m(C\hat{E}F) = ?$

A) 36 B) 42 C) 48 D) 54 E) 72

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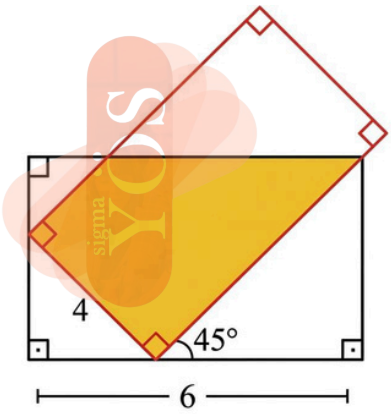
33.

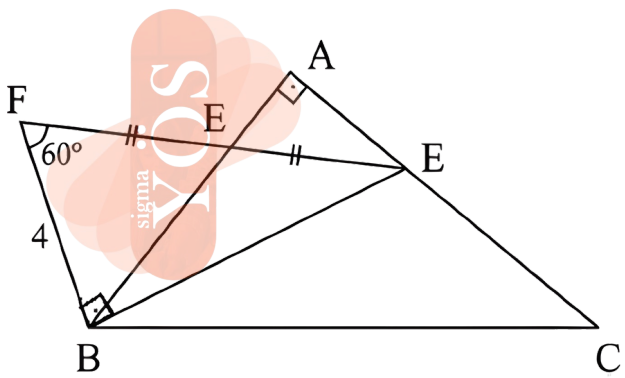


Eş Dikdörtgen

⇒ Taralı Alan (Shaded Area) = ?

A) $6\sqrt{2}$ B) $\sqrt{2}$ C) $\sqrt{16}$ D) 16 E) $20\sqrt{2}-16$

34.

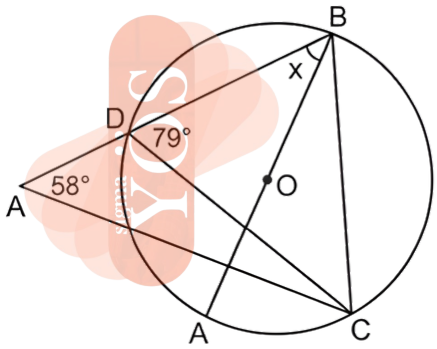


$|AB|=|AC|$

$\Rightarrow A(ABC)=?$

A) 12 B) 18 C) 20 D) 24 E) 32

35.

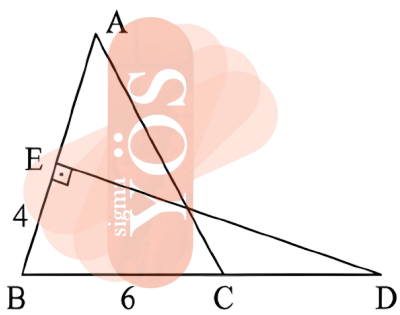


$|AB|=|AC|$

$\Rightarrow x=?$

A) 42 B) 48 C) 50 D) 54 E) 58

36.



$|AB|=|AC|=12$

$\Rightarrow |BD|=?$

A) 16 B) 18 C) 20 D) 24 E) 32

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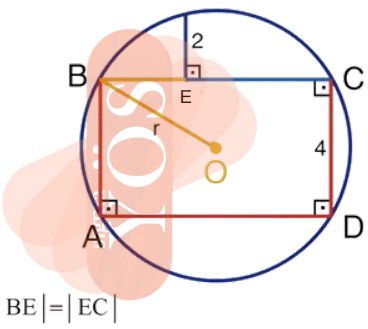
37.

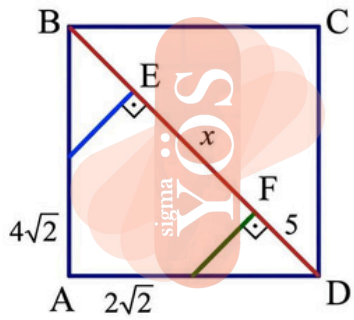


$3 \cdot |BE| = |EC|$

$\Rightarrow r = ?$

A) $2\sqrt{5}$ B) 2 C) $4\sqrt{5}$ D) 4 E) 5

38.



ABCD Kare

$\Rightarrow x = ?$

A) 12 B) 8 C) 7 D) 6 E) 4

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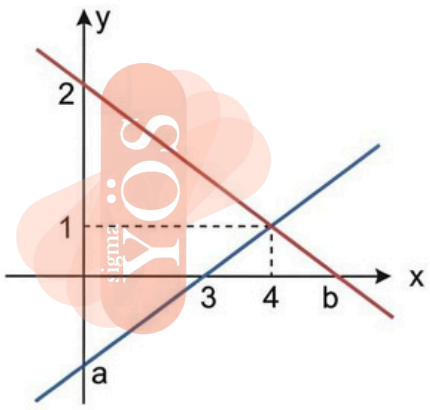
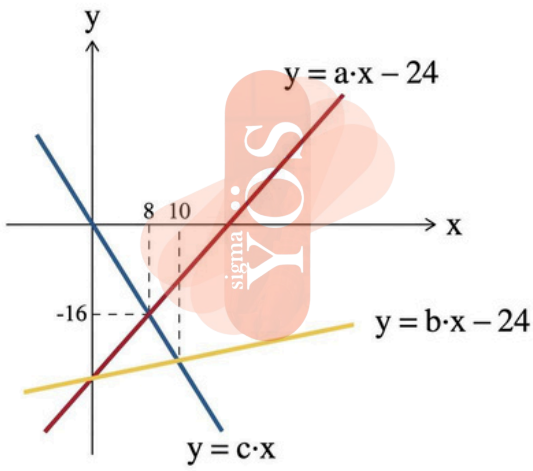
39.



$\Rightarrow a+b=?$

A) 3 B) 5 C) 7 D) 9 E) 11

40.



$\Rightarrow a+b+c=?$

A) 3 B) 1 C) $-\frac{3}{5}$ D) $-\frac{1}{5}$ E) -1

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