

2026-TR-YÖS/1-TMT

31. ABC bir üçgendir.

ABC is a triangle.

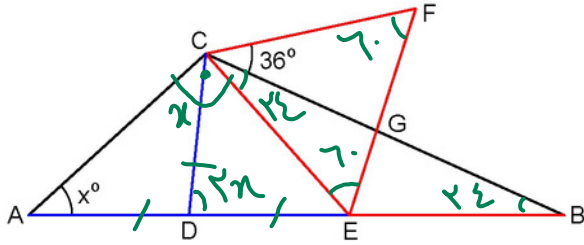
ABC ist ein Dreieck.

ABC est un triangle.

ABC – треугольник.

آسان

ABC مثلث.

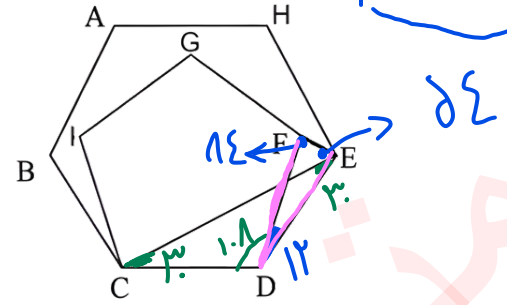
 $D, E \in [AB], [BC] \cap [EF] = \{G\},$  $|AD| = |CD| = |DE|,$  $|BE| = |CE| = |CF| = |EF|,$  $m(\widehat{GCF}) = 36^\circ, m(\widehat{BAC}) = x^\circ$  $\Rightarrow x = ?$ 

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

$$\triangle ABC \Rightarrow 90 + 2x + n + 2x = 180$$

$$\Rightarrow n = 42$$

32.

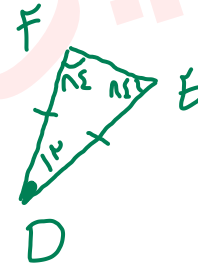


ABCDEH Düzgün altıgen

CDFGI Düzgün beşgen

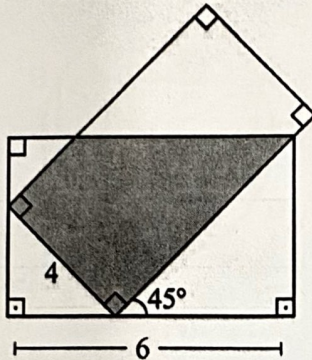
 $\Rightarrow m(\widehat{CEF}) = ?$ 

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



★ این سوال ایراد علمی دارد حل نمی شود

33.

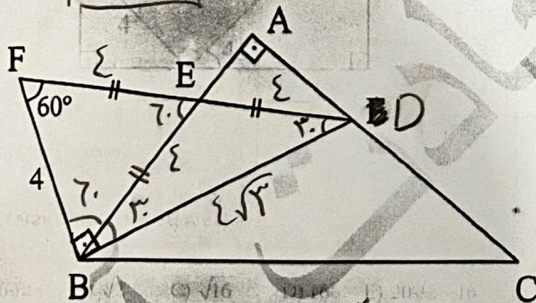


Eş Dikdörtgen

⇒ Taralı Alan (Shaded Area) = ?

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

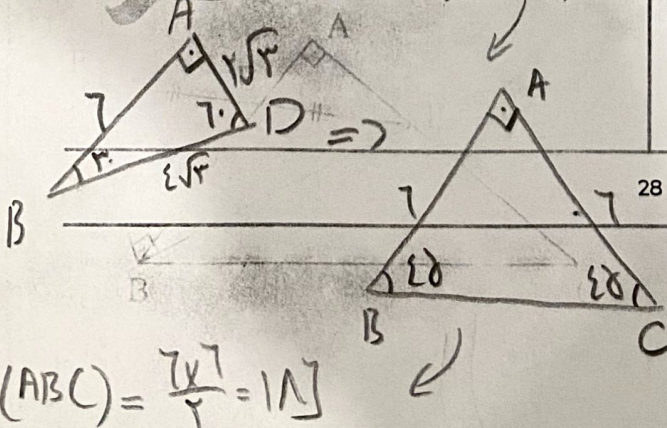
34.



$|AB|=|AC|$

⇒  $A(ABC) = ?$

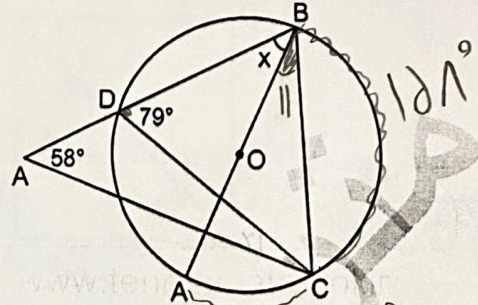
- A) 12 B) 18 C) 20 D) 24 E) 32



$A(ABC) = \frac{7 \times 7}{2} = 12.25$

35.

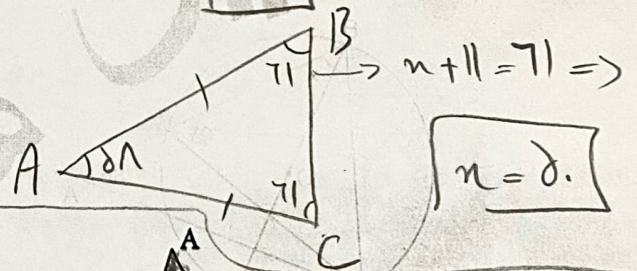
موسط



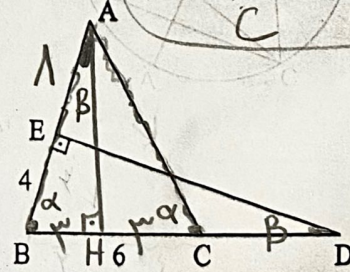
$|AB|=|AC|$

⇒  $x = ?$

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



36.



$|AB|=|AC|=12 \Rightarrow$

⇒  $|BD| = ?$

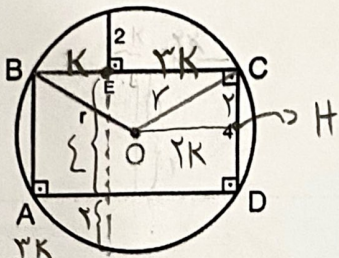
- A) 16 B) 18 C) 20 D) 24 E) 32

$\triangle AHB \sim \triangle DEB \Rightarrow \frac{r}{2} = \frac{12}{BD} \Rightarrow BD = 17$

Diğer sayfaya geçiniz.  
Go on to the next page.

37.

زنگنه



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

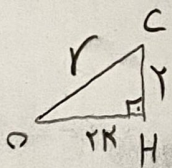
$$\Rightarrow r = ?$$

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

نقطه E مثل برخورد دو دایره است

$$K \times 2K = 2 \times 7 \Rightarrow 2K^2 = 14 \Rightarrow K^2 = 7 \Rightarrow K = \sqrt{7}$$

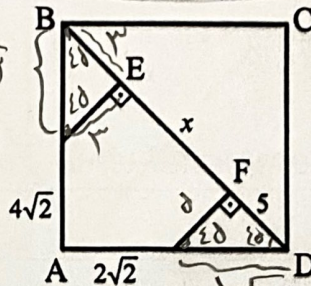
$$K = 2$$



$$\Rightarrow r = \sqrt{4+17} = \sqrt{21}$$

38.

زاویه بین قطر و ضلع مربع 45 است



ABCD Kare

$$\Rightarrow x = ?$$

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

$$\text{قطر مربع} = \text{ضلع} \times \sqrt{2} \Rightarrow$$

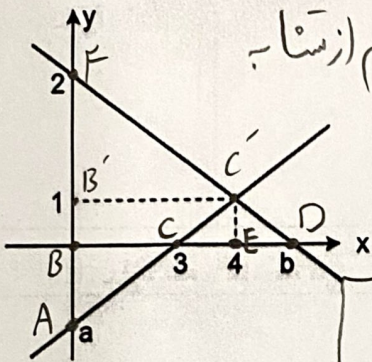
$$3 + x + 5 = (\sqrt{2}) \times \sqrt{2} \Rightarrow$$

$$x + 8 = 2 \Rightarrow x = -6$$

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

39.

توانی سوال هم صیغه معادله‌ی خطها رو نوشت هم از سنا استفاده کردی.



$\Rightarrow a+b=?$

- A) 3   B) 5   C) 7   D) 9   E) 11

$\triangle ABC \sim \triangle A'B'C' \Rightarrow$

$\frac{|a|}{|a|+1} = \frac{3}{2} \Rightarrow 2|a| = 3|a| + 3$

$\Rightarrow |a| = -3 \Rightarrow a = -3$

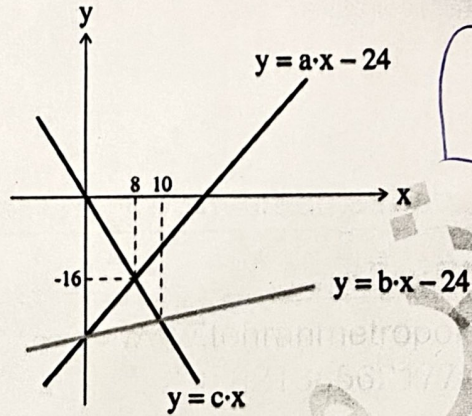
$\triangle DC'E \sim \triangle DF'B \Rightarrow$

$\frac{b-2}{b} = \frac{1}{2} \Rightarrow 2b-4=b \Rightarrow$

$b=1$

$\Rightarrow a+b = -3+1 = -2$

40.



اسخ

$\Rightarrow a+b+c=?$

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

$y = ax - 24 \xrightarrow{n=1} -17 = 1a - 24$

$\Rightarrow a=1$

$y = cx \xrightarrow{n=1} -17 = 1c \Rightarrow$

$c = -17$

در خط  $y = bx - 24$  و  $y = -2x$  هر دو از نقطه  $x=1$  عبور کنند.

$y = -2x \xrightarrow{n=1} y = -2$

جاندار  $y = bx - 24$

$-2 = 1 \cdot b - 24 \Rightarrow$

$b = \frac{2}{1} = 2$

$a+b+c = 1+2-17 = -14$