

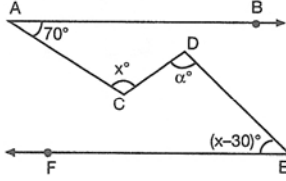
**CEVAP ANAHTARI**

GRUBU: A

04.06.2008

ALDIĞI PUAN:

1.



$[AB \parallel EF]$

$$m(\widehat{BAC}) = 70^\circ$$

$$m(\widehat{ACD}) = x^\circ$$

$$m(\widehat{DEF}) = (x - 30)^\circ \text{ olduğuna göre,}$$

$$m(\widehat{CDE}) = \alpha^\circ \text{ kaç derecedir?}$$

- A) 100 B) 105 C) 110 D) 115 E) 120

2. ABC üçgen

$$|AB| = |AD| = |AE|$$

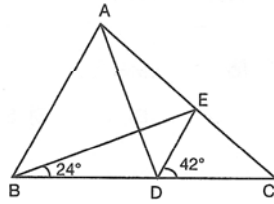
$$m(\widehat{EBC}) = 24^\circ \text{ ve}$$

$$m(\widehat{EDC}) = 42^\circ$$

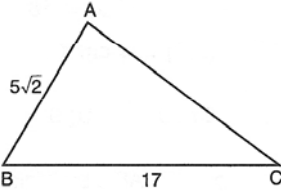
olduğuna göre,

$$m(\widehat{ABE}) \text{ kaç derecedir?}$$

- A) 36 B) 38 C) 40 D) 42 E) 48



3.



ABC üçgen

$$m(\widehat{B}) < 45^\circ$$

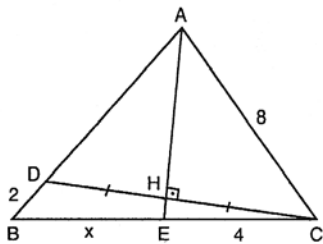
$$|AB| = 5\sqrt{2} \text{ cm}$$

$$|BC| = 17 \text{ cm}$$

Yukarıdaki verilere göre,  $|AC|$  nin en büyük tam sayı değeri kaç cm dir?

- A) 16 B) 15 C) 14 D) 13 E) 12

4.



$AH \perp DC$

$$|DH| = |HC|$$

$$|AC| = 8 \text{ cm}$$

$$|EC| = 4 \text{ cm}$$

$$|BD| = 2 \text{ cm}$$

Yukarıdaki verilere göre,  $|BE| = x$  kaç cm dir?

- A) 5 B) 5,5 C) 6 D) 6,5 E) 7

5. ABC üçgeninde

$$[PD] \perp [AC]$$

$$[PE] \perp [AB]$$

$$|AB| = |AC|$$

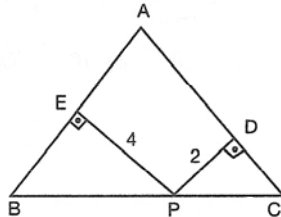
$$2. |PD| = |PE| = 4 \text{ cm}$$

$$|BC| = 2\sqrt{10} \text{ cm}$$

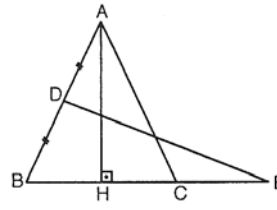
olduğuna göre,

$$|AB| \text{ kaç cm dir?}$$

- A) 7 B) 8 C) 10 D) 12 E)  $4\sqrt{10}$



6.



$\Delta$   
ABC eşkenar

üçgeninde

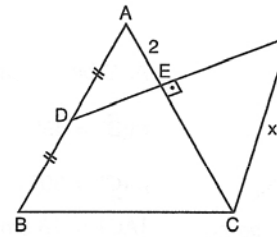
D  $[AB]$ 'nin orta noktasıdır.

$$|AH| = |CE| \text{ dir.}$$

Buna göre,  $m(\widehat{DEB})$  kaç derecedir?

- A) 15 B) 22,5 C) 30 D) 45 E) 60

7.



ABC eşkenar üçgen

$$|AD| = |DB|$$

$$|EF| = |EC|$$

$$[DF] \perp [AC]$$

$$|AE| = 2 \text{ cm}$$

Yukarıdaki verilere göre,  $|FC| = x$  kaç cm dir?

- A)  $3\sqrt{6}$  B)  $4\sqrt{6}$  C)  $5\sqrt{2}$  D)  $6\sqrt{2}$  E)  $7\sqrt{2}$

8. ABC üçgen

$$[AC] \perp [AB]$$

$$|AB| = |BD|$$

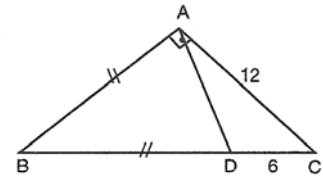
$$|AC| = 12 \text{ cm}$$

$$|CD| = 6 \text{ cm}$$

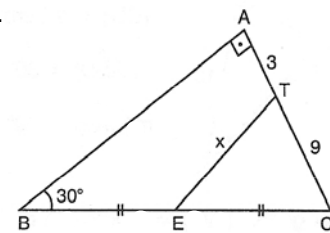
olduğuna göre,

$$|BD| \text{ kaç cm dir?}$$

- A) 9 B) 10 C) 12 D) 14 E) 15



9.



ABC bir dik üçgen

$$[BA] \perp [AC]$$

$$|BE| = |EC|$$

$$|AT| = 3 \text{ cm}$$

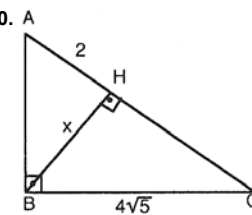
$$|TC| = 9 \text{ cm}$$

$$m(\widehat{ABC}) = 30^\circ$$

Yukarıdaki verilere göre,  $|TE| = x$  kaç cm dir?

- A)  $3\sqrt{13}$  B)  $3\sqrt{14}$  C)  $6\sqrt{5}$  D)  $6\sqrt{3}$  E)  $4\sqrt{6}$

10.



ABC üçgeninde;

$$m(\widehat{B}) = 90^\circ,$$

$$[BH] \perp [AC],$$

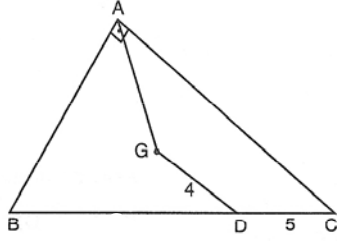
$$|BC| = 4\sqrt{5} \text{ cm,}$$

$$|AH| = 2 \text{ cm ise,}$$

$$|BH| = x \text{ kaç cm dir?}$$

- A)  $\sqrt{3}$  B)  $2\sqrt{2}$  C) 3 D) 4 E)  $2\sqrt{5}$

11.

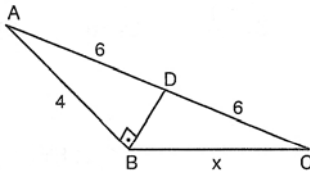


G, ABC dik  
üçgeninin ağırlık  
merkezi  
[GD] // [AC]  
|GD| = 4 cm  
|DC| = 5 cm

Yukarıdaki verilere göre, Çevre(ABC) kaç cm dir?

- A) 27 B) 30 C) 32 **D) 36** E) 41

12.

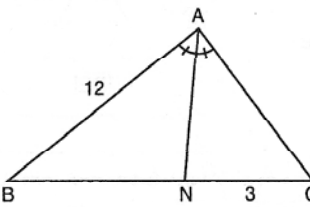


ABC üçgen  
[AB]  $\perp$  [BD]  
|AD| = |DC| = 6 cm  
|AB| = 4 cm

Yukarıdaki verilere göre, |BC| = x kaç cm dir?

- A) 12 B) 10 **C)  $4\sqrt{6}$**  D)  $5\sqrt{3}$  E)  $6\sqrt{2}$

13.

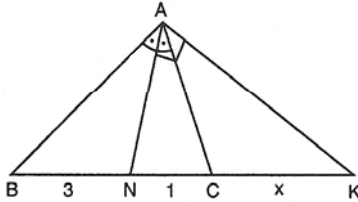


[AN] açıortay  
|AB| = 12 cm  
|NC| = 3 cm  
|AC| = |BN|

Yukarıdaki verilere göre, |AN| kaç cm dir?

- A)  $2\sqrt{6}$  **B)  $3\sqrt{6}$**  C)  $4\sqrt{6}$  D) 9 E) 10

14.



$m(\widehat{BAN}) = m(\widehat{NAC})$   
AN  $\perp$  AK  
|BN| = 3 cm  
|NC| = 1 cm

Yukarıdaki verilere göre, |CK| = x kaç cm dir?

- A) 2** B) 3 C) 4 D) 5 E) 6

15. ABC üçgeninde

[BF] açıortay ve  
[AD] // [FE] dir.

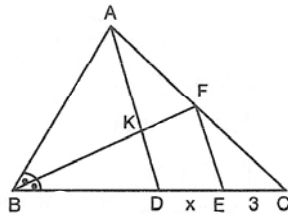
$$\frac{|AB|}{|BC|} = \frac{4}{5}$$

|EC| = 3 cm

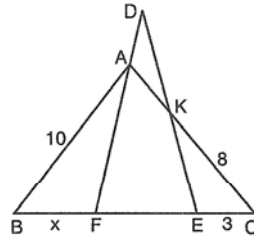
olduğuna göre,

|DE| = x kaç cm dir?

- A)  $\frac{15}{4}$  **B)  $\frac{12}{5}$**  C)  $\frac{9}{5}$  D)  $\frac{3}{2}$  E) 1



16.

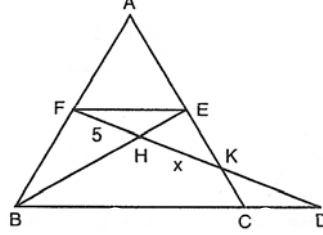


|AB| = |AC|  
|DF| = |DE|  
|AB| = 10 cm  
|KC| = 8 cm  
|EC| = 3 cm

Yukarıdaki verilere göre, |BF| = x kaç cm dir?

- A) 5 B)  $\frac{19}{4}$  C) 4,5 D) 4 **E)  $\frac{15}{4}$**

17.



FE // BD  
6|FE| = 2|BC| = 9|CD|  
|FH| = 5 cm

Yukarıdaki verilere göre, |HK| = x kaç cm dir?

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

18. ABC ve BDF üçgen

$$m(\widehat{BCA}) = m(\widehat{BFD})$$

|BC| = 4 birim

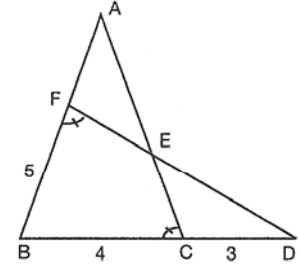
|CD| = 3 birim

|BF| = 5 birim

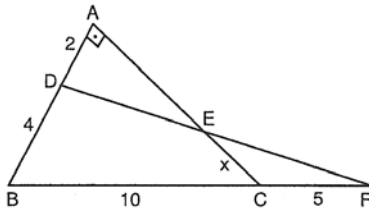
olduğuna göre,

|AB| kaç birimdir?

- A) 5 **B) 5,6** C) 6 D) 6,6 E) 7



19.



[AB]  $\perp$  [AC]  
|AD| = 2 cm  
|DB| = 4 cm  
|BC| = 10 cm  
|CF| = 5 cm

Yukarıdaki verilere göre, |EC| = x kaç cm dir?

- A)  $\frac{3}{2}$  B) 2 C)  $\frac{9}{4}$  D)  $\frac{12}{5}$  **E)  $\frac{16}{5}$**

20. ABC üçgeninde

$$[AF] \cap [BD] \cap [CE] = \{K\}$$

$$2 \cdot |AE| = 3 \cdot |EB|$$

|BF| = 2 cm

|FC| = 5 cm

|AC| = 16 cm

olduğuna göre,

|AD| kaç cm dir?

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

