

ÜÇGENDE KENARORTAY TEST-5

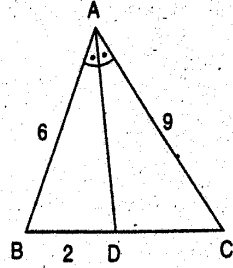
1. [AD] iç açıortay

$|AB| = 6 \text{ cm.}$

$|AC| = 9 \text{ cm.}$

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

|DC| uzunluğu kaç cm. dir?



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

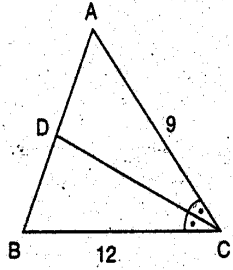
2. [CD] iç açıortay

$A(\text{BDC}) = 48 \text{ cm}^2$

$|AC| = 9 \text{ cm.}$

$|BC| = 12 \text{ cm.}$

ABC üçgeninin alanı kaç  $\text{cm}^2$  dir?

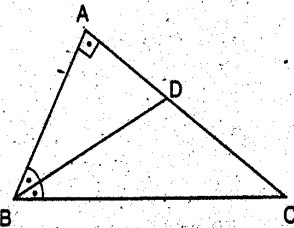


- A) 84 B) 78 C) 72 D) 66 E) 60

3. ABC ikizkenar üçgen

[BD] iç açıortay

$\frac{|AD|}{|DC|}$  oranı aşağıdakilerden hangisidir?



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

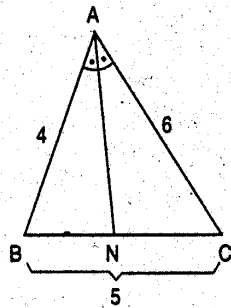
4. [AN] iç açıortay

$|AB| = 4 \text{ cm.}$

$|AC| = 6 \text{ cm.}$

$|BC| = 5 \text{ cm.}$

|AN| uzunluğu kaç cm. dir?



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

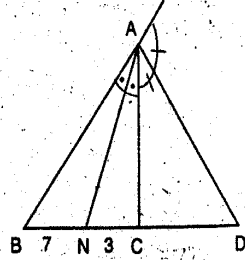
5. [AN] iç açıortay

[AD] dış açıortay

$|BN| = 7 \text{ cm.}$

$|NC| = 3 \text{ cm.}$

|CD| uzunluğu kaç cm. dir?



- A) 7 B) 8 C) 8,5 D) 7,5 E) 9

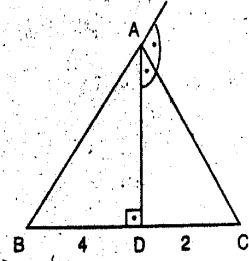
6. [AC] dış açıortay

[AD]  $\perp$  [BC]

$|BD| = 4 \text{ cm.}$

$|DC| = 2 \text{ cm.}$

|AC| uzunluğu kaç cm. dir?



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

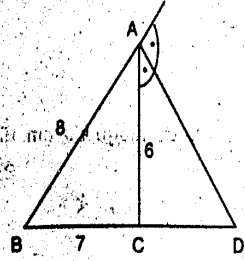
7. [AD] dış açıortay

$|AB| = 8 \text{ cm.}$

$|AC| = 6 \text{ cm.}$

$|BC| = 7 \text{ cm.}$

|AD| uzunluğu kaç cm. dir?



- A)  $2\sqrt{15}$  B)  $3\sqrt{15}$  C)  $4\sqrt{15}$   
D)  $5\sqrt{15}$  E)  $6\sqrt{15}$

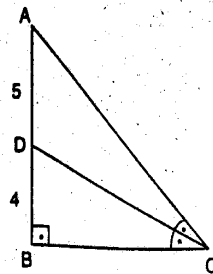
8. [AB]  $\perp$  [BC]

[CD] açıortay

$|AD| = 5 \text{ cm.}$

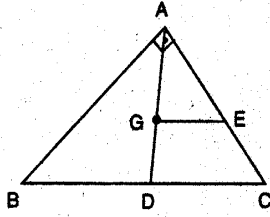
$|DB| = 4 \text{ cm.}$

|CD| uzunluğu kaç cm. dir?



- A)  $2\sqrt{5}$  B) 5 C) 8  
D)  $2\sqrt{10}$  E)  $4\sqrt{10}$

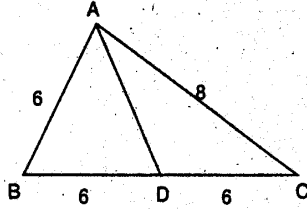
9. G ağırlık merkezi  
 $\widehat{BAC} = 90^\circ$   
 $[GE] \parallel [BC]$   
 $IGDI = 5 \text{ cm.}$



GDCE dörtgeninin çevresi 36 cm. ise,  $|EC|$  uzunluğu kaç cm. dir?

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

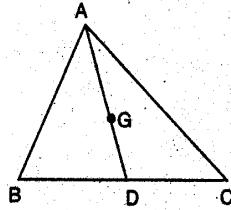
10.  $|AC| = 8 \text{ cm.}$   
 $|AB| = |BD| = |DC| = 6 \text{ cm.}$



$|AD|$  uzunluğu kaç cm. dir?

- A)  $\sqrt{10}$  B)  $\sqrt{14}$  C)  $2\sqrt{3}$   
D)  $\sqrt{5}$  E) 6

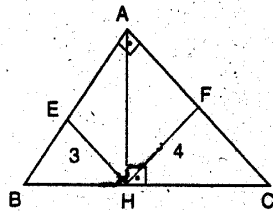
11. G ağırlık merkezi  
 $|AB| = 7 \text{ cm.}$   
 $|AC| = 5 \text{ cm.}$   
 $|BC| = 6 \text{ cm.}$



$|AG|$  uzunluğu kaç cm. dir?

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

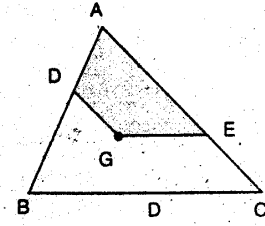
12.  $\widehat{BAC} = 90^\circ$   
 $[AH] \perp [BC]$   
E, F orta noktalar.  
 $|EH| = 3 \text{ cm.}$   
 $|FH| = 4 \text{ cm.}$



$|BC|$  uzunluğu kaç cm. dir?

- A) 10 B) 12 C) 14 D) 15 E) 17

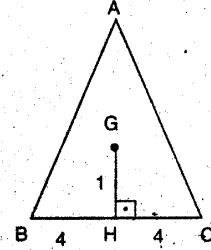
13. G ağırlık merkezi  
 $|BD| = 5$  .  $|AD|$   
 $|AE| = 3$  .  $|EC|$   
 $A(ABC) = 18 \text{ cm}^2$



ADGE dörtgeninin alanı kaç  $\text{cm}^2$  dir?

- A)  $\frac{17}{2}$  B)  $\frac{15}{2}$  C)  $\frac{13}{2}$  D)  $\frac{11}{2}$  E)  $\frac{9}{5}$

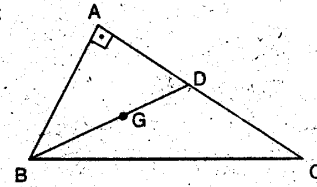
14. G ağırlık merkezi  
 $[AH] \perp [BC]$   
 $|GH| = 1 \text{ cm.}$   
 $|BH| = |HC| = 4 \text{ cm.}$



ABC üçgeninin çevresi kaç cm. dir?

- A) 20 B) 18 C) 16 D) 14 E) 12

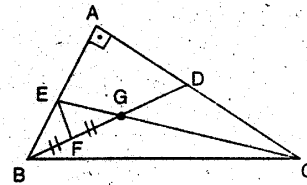
15. ABD ikizkenar dik üçgen  
G ağırlık merkezi  
 $|BC| = 3\sqrt{5} \text{ cm.}$



$|GD|$  uzunluğu kaç cm. dir?

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

16. G ağırlık merkezi  
 $\widehat{BAC} = 90^\circ$   
 $|BF| = |FG|$   
 $|EF| = 1 \text{ cm.}$



$|BC|$  uzunluğu kaç cm. dir?

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

### YANITLAR

1-C 2-A 3-D 4-C 5-D 6-D 7-E 8-E 9-C 10-B  
11-D 12-A 13-D 14-B 15-A 16-C