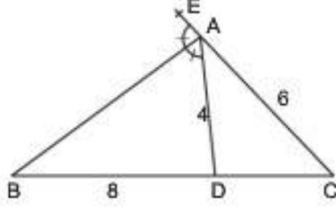


İÇ AÇIORTAY, DIŞ AÇIORTAY

1. 1.



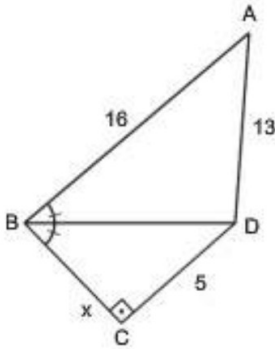
ABC bir üçgen, $m(\widehat{EAB}) = m(\widehat{BAD})$

$|AD| = 4$ cm, $|AC| = 6$ cm, $|BD| = 8$ cm

Yukarıdaki verilere göre, \widehat{ADC} kaç cm dir?

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

2.



ABCD bir dörtgen

$[BC] \perp [CD]$

$m(\widehat{ABD}) = m(\widehat{CBD})$

$|CD| = 5$ cm

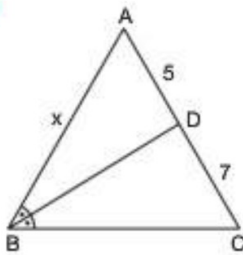
$|AD| = 13$ cm

$|AB| = 16$ cm

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

- A) 12 B) 9 C) 8 D) 6 E) 4

3.



ABC bir üçgen

$[BD]$ açıortay

$|AD| = 5$ cm

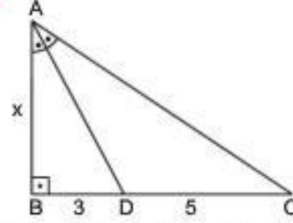
$|CD| = 7$ cm

$\widehat{ABC} = 36$ cm

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

- A) 10 B) 12 C) 14 D) 15 E) 16

4.



ABC bir dik üçgen

$[AB] \perp [BC]$

$[AD]$ açıortay

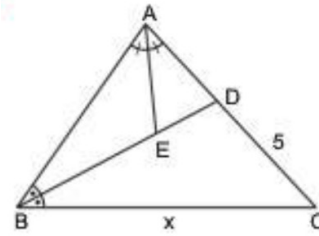
$|BD| = 3$ cm

$|CD| = 5$ cm

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

- A) 5 B) 6 C) $3\sqrt{5}$ D) 7 E) 10

5.



ABC bir üçgen

$[AE], [BD]$ açıortay

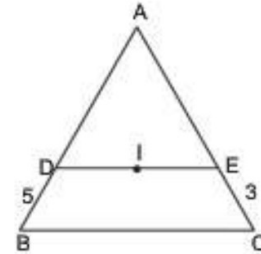
$|BE| = 3|ED|$

$|DC| = 5$ cm

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

- A) 10 B) 12 C) 13 D) 14 E) 15

6.



ABC bir üçgen

I iç teğet çemberin merkezi

$[DE] \parallel [BC]$

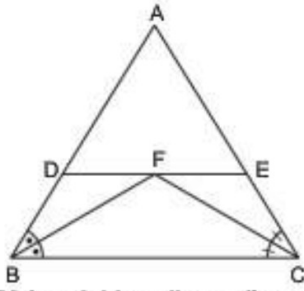
$|EC| = 3$ cm

$|BD| = 5$ cm

Yukarıdaki verilere göre, $|DE|$ kaç cm dir?

- A) 5 B) 7 C) 8 D) 10 E) 16

7.

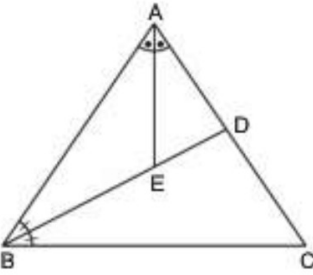


ABC bir üçgen
 [BF], [CF] açıortay
 [DE] // [BC]
 |AC| = 9 cm
 |AB| = 12 cm

Yukarıdaki verilere göre, ADE üçgeninin çevresi kaç cm dir?

- A) 18 B) 20 C) 21 D) 24 E) 30

8.

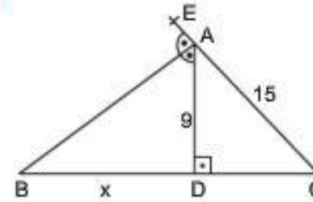


ABC bir üçgen
 [AE] ve [BD] açıortay
 $2|BE| = 3|ED|$
 |AC| = 10 cm

Yukarıdaki verilere göre, ABC üçgeninin çevresi kaç cm dir?

- A) 15 B) 18 C) 20 D) 25 E) 30

9.

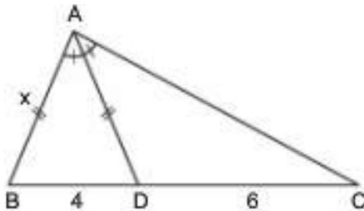


ABC bir üçgen
 [AD] ⊥ [BC]
 $m(\widehat{BAE}) = m(\widehat{BAD})$
 |AD| = 9 cm
 |AC| = 15 cm

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

- A) 12 B) 18 C) 20 D) 21 E) 24

10.

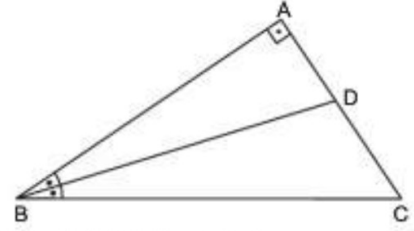


ABC bir üçgen, [AD] açıortay, |AB| = |AD|
 |BD| = 4 cm, |DC| = 6 cm

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

- A) $8\sqrt{3}$ B) $6\sqrt{3}$ C) $5\sqrt{3}$ D) $4\sqrt{3}$ E) $2\sqrt{3}$

11.



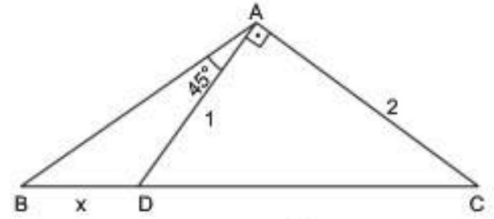
ABC bir dik üçgen, BD açıortay

$AB \perp AC$, $\sqrt{2}|AD| = |DC|$

Yukarıdaki verilere göre, $m(\widehat{CBD})$ kaç derecedir?

- A) 15 B) 22,5 C) 25 D) 27,5 E) 30

12.



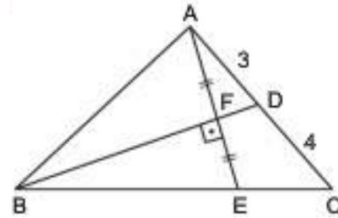
ABC bir üçgen, $AD \perp AC$, $m(\widehat{BAD}) = 45^\circ$

|AD| = 1 cm, |AC| = 2 cm

olduğuna göre, |BD| = x kaç cm dir?

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

13.



ABC bir üçgen

[AE] ⊥ [BD]

|AF| = |FE|

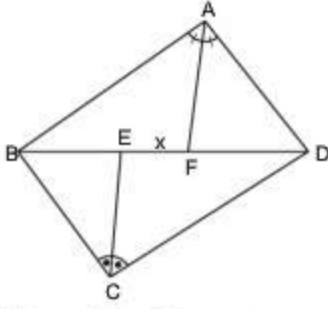
|AD| = 3 cm

|DC| = 4 cm

Yukarıdaki verilere göre, |BE| nin |EC| ye oranı kaçtır?

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

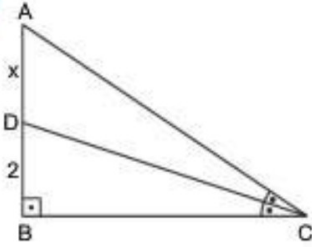
14. 1.



ABCD bir dörtgen, AF ve EC açıortay
 $5|AD| = 2|AB|$, $4|BC| = 3|DC|$, $|BD| = 21$ cm
 olduğuna göre, $|EF| = x$ kaç cm dir?

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

15.

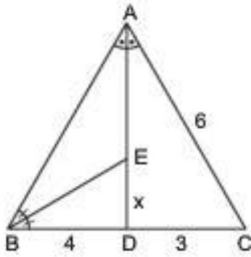


ABC bir dik üçgen
 $[AB] \perp [BC]$
 $[CD]$ açıortay
 $|AB| = |BC|$
 $|BD| = 2$ cm

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

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

16.

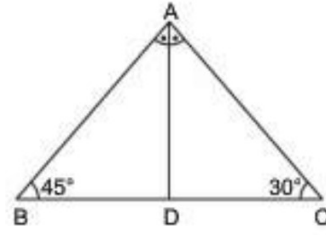


ABC bir üçgen
 $[AD]$ ve $[BE]$ açıortay
 $|DC| = 3$ cm
 $|BD| = 4$ cm
 $|AC| = 6$ cm

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

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

17.

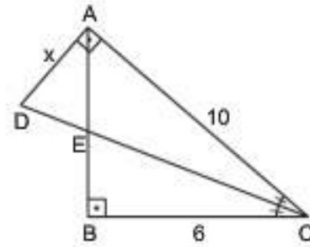


ABC bir üçgen
 $[AD]$ açıortay
 $m(\widehat{ABC}) = 45^\circ$
 $m(\widehat{ACB}) = 30^\circ$

Yukarıdaki verilere göre, $|BD|$ nin $|DC|$ ye oran kaçtır?

- A) $\frac{1}{4}$ B) $\frac{1}{2}$ C) $\frac{\sqrt{2}}{2}$ D) $\frac{\sqrt{3}}{2}$ E) $\frac{\sqrt{6}}{2}$

18.

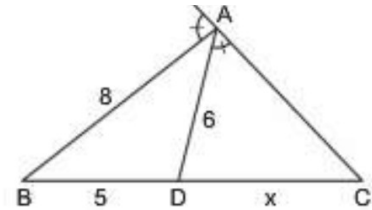


ABC ve ADC birer dik
 üçgen
 $[AD] \perp [AC]$
 $[AB] \perp [BC]$
 $|BC| = 6$ cm
 $|AC| = 10$ cm

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

- A) $2\sqrt{3}$ B) 5 C) 7 D) $5\sqrt{2}$ E) 8

19.

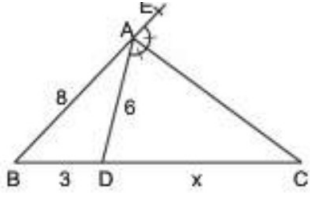


ABC bir üçgen, E, A, C doğrusal, $m(\widehat{BAE}) = m(\widehat{DAC})$
 $|BD| = 5$ cm, $|AD| = 6$ cm, $|AB| = 8$ cm

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

- A) 5 B) $4\sqrt{3}$ C) 10 D) 15 E) 17

20.



ABC bir üçgen, [AC] dış açıortay

$|BD| = 3$ cm, $|AD| = 6$ cm, $|AB| = 8$ cm

olduğuna göre, $|DC| = x$ kaç cm dir?

- A) 9 B) 10 C) 12 D) 15 E) 18