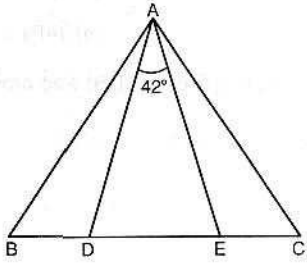


1.

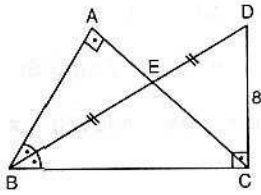


ABC bir üçgen
 $m(\widehat{DAE}) = 42^\circ$
 $|AB| = |BE|$
 $|AC| = |CD|$

Yukarıdaki verilere göre, \widehat{BAC} açısının ölçüsü kaç derecedir?

- A) 92 B) 94 C) 96 D) 102 E) 108

2.

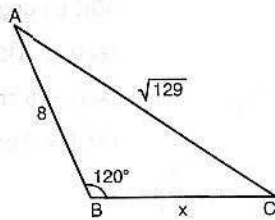


$[AB] \perp [AC]$
 $[DC] \perp [BC]$
[BD] açıortay
 $|BE| = |ED|$
 $|DC| = 8$ cm

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

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

3.

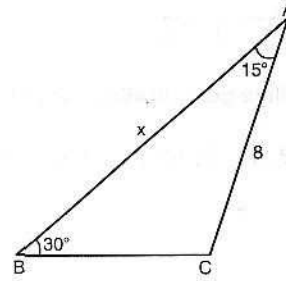


ABC bir üçgen
 $m(\widehat{ABC}) = 120^\circ$
 $|AC| = \sqrt{129}$ cm
 $|AB| = 8$ cm

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

- A) 4 B) 5 C) 6 D) 7 E) 9

4.

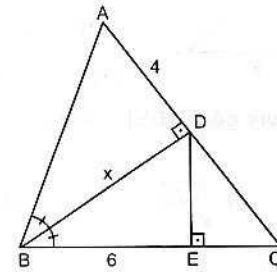


ABC bir üçgen
 $m(\widehat{BAC}) = 15^\circ$
 $m(\widehat{ABC}) = 30^\circ$
 $|AC| = 8$ cm

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

- A) 10 B) $8\sqrt{2}$ C) $10\sqrt{2}$ D) $10\sqrt{3}$ E) 15

5.

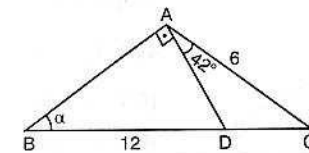


ABC bir üçgen
[BD] açıortay
 $[BD] \perp [AC]$
 $[DE] \perp [BC]$
 $|AD| = 4$ cm
 $|BE| = 6$ cm

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

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

6.

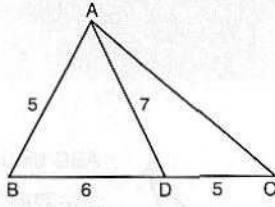


ABC bir üçgen
 $[BA] \perp [AD]$
 $|BD| = 12$ cm
 $|AC| = 6$ cm
 $m(\widehat{DAC}) = 42^\circ$

Yukarıdaki verilere göre, $m(\widehat{ABC}) = \alpha$ kaç derecedir?

- A) 15 B) 16 C) 18 D) 20 E) 25

7.

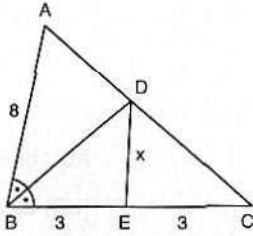


ABC bir üçgen
 $|AB| = |DC| = 5$ cm
 $|BD| = 6$ cm
 $|AD| = 7$ cm

Yukarıdaki verilere göre, $A(ABC)$ kaç cm^2 dir?

- A) $11\sqrt{6}$ B) $8\sqrt{6}$ C) $12\sqrt{5}$ D) 81 E) 64

8.

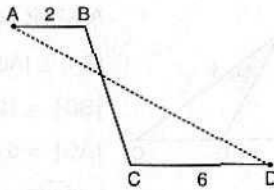


ABC bir üçgen
 $[BD]$ açıortay
 $|BE| = 3$ cm
 $|EC| = 3$ cm
 $|AB| = 8$ cm
 $|AC| = 7$ cm

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

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

9.

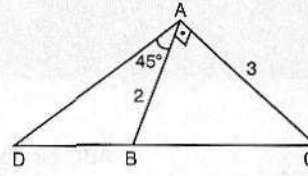


$[AB] \parallel [CD]$
 $m(\widehat{BCD}) > 90^\circ$
 $|AB| = 2$ cm
 $|BC| = |CD| = 6$ cm

Yukarıdaki verilere göre, $|AD|$ nin en küçük tamsayı değeri kaçtır?

- A) 9 B) 10 C) 11 D) 14 E) 15

10.

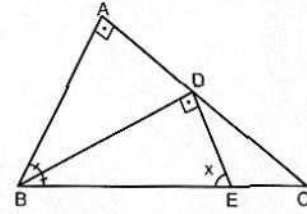


ADC bir üçgen
 $[BA] \perp [AC]$
 $|AB| = 2$ cm
 $|AC| = 3$ cm
 $m(\widehat{DAB}) = 45^\circ$

Yukarıdaki verilere göre, $A(ADB)$ kaç cm^2 dir?

- A) 3 B) 4 C) 5 D) 6 E) 8

11.



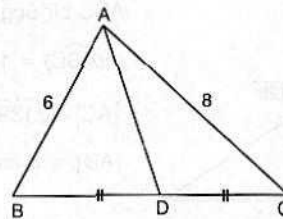
BAC bir dik üçgen, $[BD] \perp [DE]$

$m(\widehat{ABD}) = m(\widehat{DBC})$, $m(\widehat{ADB}) = 2m(\widehat{ACB})$

Yukarıdaki verilere göre, $m(\widehat{DEB}) = x$ kaç derecedir?

- A) 30 B) 45 C) 60 D) 75 E) 80

12.



ABC bir üçgen
 $|BD| = |DC|$
 $|AB| = 6$ cm
 $|AC| = 8$ cm

Yukarıdaki verilere göre, $|AD|$ kaç farklı tamsayı değeri alabilir?

- A) 4 B) 5 C) 6 D) 9 E) 8