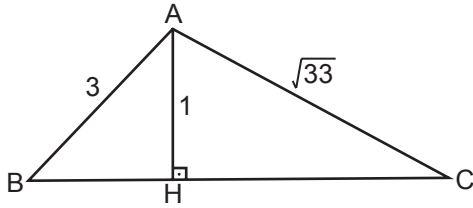


Dik Üçgen

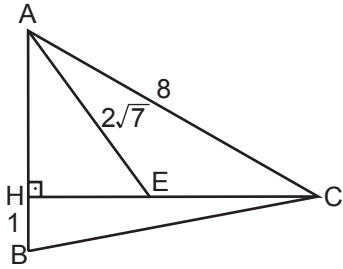
1.



ABC üçgeninde $[AH] \perp [BC]$, $|AB| = 3$ cm, $|AH| = 1$ cm ve $|AC| = \sqrt{33}$ cm olduğuna göre $|BC|$ kaç santimetredir?

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

2.

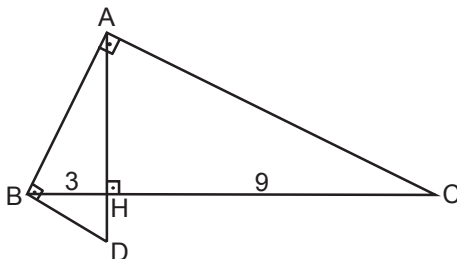


ABC üçgeninde
 $[CH] \perp [AB]$
 $|HE| = |EC|$
 $|AE| = 2\sqrt{7}$ cm
 $|AC| = 8$ cm
 $|BH| = 1$ cm'dir.

Yukarıda verilenlere göre $|BC|$ kaç santimetredir?

- A) $4\sqrt{3}$ B) 7 C) $5\sqrt{3}$ D) $6\sqrt{3}$ E) 8

3.

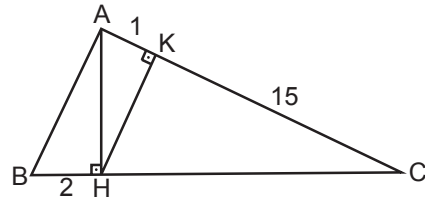


ABC üçgeninde
 $[AB] \perp [AC]$
 $[AH] \perp [BC]$
 $[AB] \perp [BD]$
 $|BH| = 3$ cm
 $|HC| = 9$ cm'dir.

Yukarıda verilenlere göre $|DH|$ kaç santimetredir?

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

4.

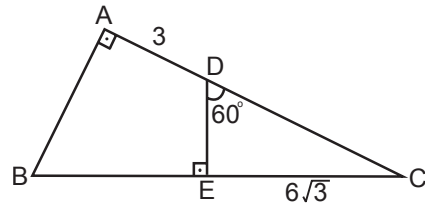


ABC üçgeninde
 $[AH] \perp [BC]$
 $[HK] \perp [AC]$
 $|AK| = 1$ cm
 $|KC| = 15$ cm
 $|BH| = 2$ cm'dir.

Yukarıda verilenlere göre $|AB|$ kaç santimetredir?

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

5.

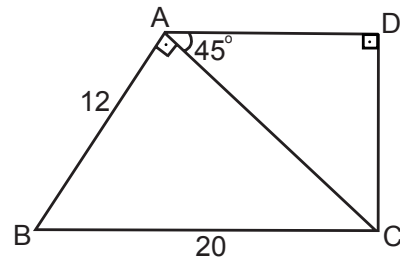


ABC üçgeninde
 $[AB] \perp [AC]$
 $[DE] \perp [BC]$
 $m(\widehat{EDC}) = 60^\circ$
 $|EC| = 6\sqrt{3}$ cm
 $|AD| = 3$ cm'dir.

Yukarıda verilenlere göre $|AB|$ kaç santimetredir?

- A) $5\sqrt{3}$ B) $6\sqrt{3}$ C) $7\sqrt{3}$ D) $8\sqrt{3}$ E) $10\sqrt{3}$

6.

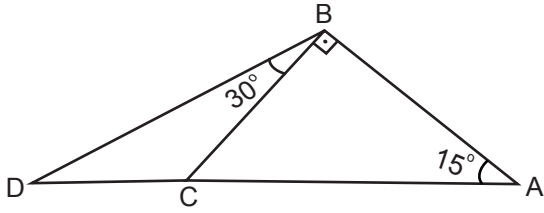


ABC ve ADC dik üçgenlerinde $[BA] \perp [AC]$ ve $[AD] \perp [DC]$ 'tir. $m(\widehat{CAD}) = 45^\circ$, $|AB| = 12$ cm ve $|BC| = 20$ cm olduğuna göre $|AD|$ kaç santimetredir?

- A) 6 B) $6\sqrt{2}$ C) 8 D) $8\sqrt{2}$ E) 10

Dik Üçgen

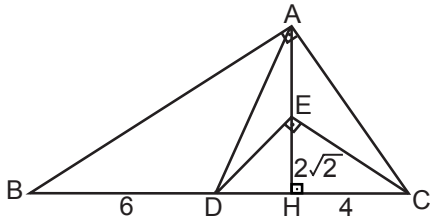
7.



ABC üçgeninde $[AB] \perp [BC]$, $m(\widehat{BAC}) = 15^\circ$ ve $m(\widehat{CBD}) = 30^\circ$ 'dir. Buna göre $\frac{|BD|}{|AC|}$ nedir?

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

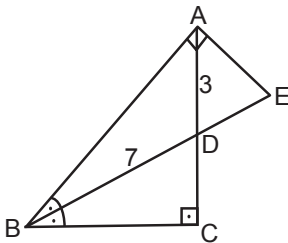
8.



ABC dik üçgeninde $[BA] \perp [AC]$, $[DE] \perp [EC]$ ve $[AH] \perp [BC]$ 'tir. $|EH| = 2\sqrt{2}$ cm, $|HC| = 4$ cm ve $|BD| = 6$ cm olduğuna göre $|AD|$ kaç santimetredir?

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

9.

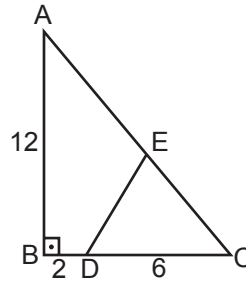


ABC ve ABE üçgenlerinde
 $[AB] \perp [AE]$
 $[AC] \perp [BC]$
 $m(\widehat{ABE}) = m(\widehat{EBC})$
 $|BD| = 7 \text{ cm}$
 $|AD| = 3 \text{ cm}$ 'dir.

Yukarıda verilenlere göre |DE| kaç santimetredir?

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

10.

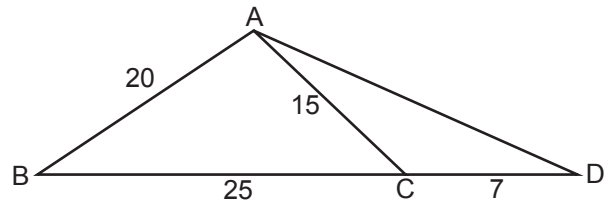


ABC dik üçgeninde
 $[AB] \perp [BC]$
 $|AC| = 4|EC|$
 $|AB| = 12 \text{ cm}$
 $|BD| = 2 \text{ cm}$
 $|DC| = 6 \text{ cm'dir.}$

Yukarıda verilenlere göre $|DE|$ kaç santimetredir?

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

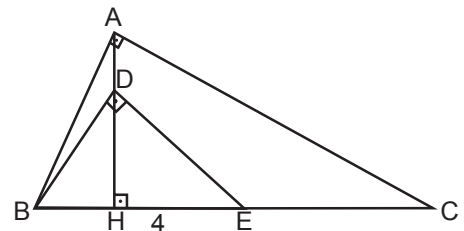
11.



ABD üçgeninde $|AB| = 20$ cm, $|AC| = 15$ cm, $|CD| = 7$ cm, $|BC| = 25$ cm olduğuna göre $|AD|$ kaç santimetredir?

- A) 20 B) 21 C) 22 D) 23 E) 24

12.



ABC ve BDE dik üçgenlerinde $[BA] \perp [AC]$,
 $[AH] \perp [BC]$, $[BD] \perp [DE]$, $|AH| = 3|AD|$ ve $|HE| = 4$ cm
 olduğuna göre $|EC|$ kaç santimetredir?

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