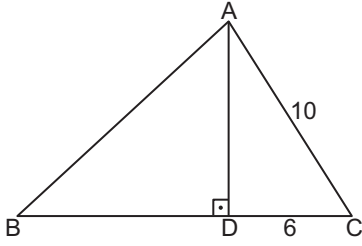


ÜÇGENLER - 8

1.



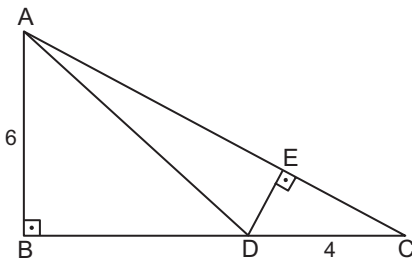
ABC üçgeninde $[AD] \perp [BC]$, $|AC| = 10$ cm, $|DC| = 6$ cm ve $|AD| = |BD|$ olduğuna göre, $A(\widehat{ABC})$ kaç santimetrekaredir?

- A) 24 B) 32 C) 56 D) 70 E) 112

2. Yüksekliği $5\sqrt{3}$ cm olan bir eşkenar üçgenin alanı kaç santimetrekaredir?

- A) $75\sqrt{3}$ B) $25\sqrt{3}$ C) $\frac{75\sqrt{3}}{4}$
D) $\frac{25\sqrt{3}}{4}$ E) $\frac{5\sqrt{3}}{4}$

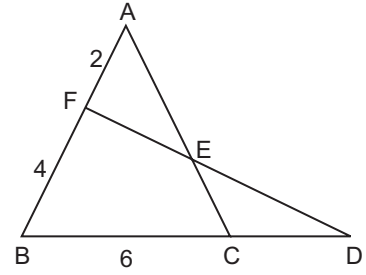
3.



ABC dik üçgeninde $[AB] \perp [BC]$, $[AC] \perp [DE]$, $|AB| = 6$ cm, $|AC| = 8$ cm ve $|DC| = 4$ cm olduğuna göre, $|DE|$ kaç santimetredir?

- A) 1 B) 2 C) $\frac{5}{2}$ D) 3 E) $\frac{7}{2}$

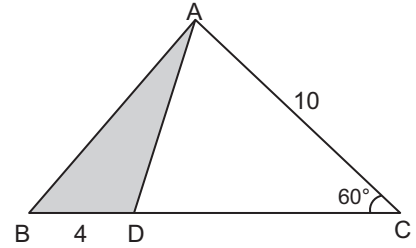
4.



ABC ve BDF üçgenlerinde $[AC] \cap [DF] = \{E\}$, $|AF| = 2$ cm, $|BF| = 4$ cm, $|BC| = 6$ cm ve $A(\widehat{ABC}) = A(\widehat{BDF})$ olduğuna göre, $|CD|$ kaç santimetredir?

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

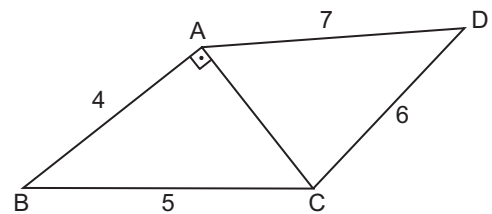
5.



ABC üçgeninde $D \in [BC]$, $m(\widehat{BCA}) = 60^\circ$ ve $|AC| = 10$ cm, $|BD| = 4$ cm olduğuna göre, $A(\widehat{ADB})$ kaç santimetrekaredir?

- A) $20\sqrt{3}$ B) 20 C) $10\sqrt{3}$ D) 10 E) $5\sqrt{3}$

6.

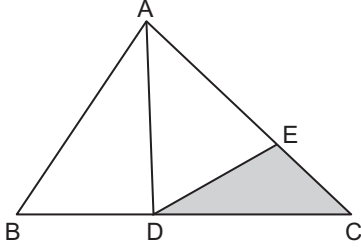


ABCD dörtgeninde $[AB] \perp [AC]$, $|AB| = 4$ cm, $|BC| = 5$ cm, $|AD| = 7$ cm ve $|CD| = 6$ cm olduğuna göre, $A(\widehat{ACD})$ kaç santimetrekaredir?

- A) $10\sqrt{5}$ B) $9\sqrt{2}$ C) $4\sqrt{10}$ D) $6\sqrt{3}$ E) $4\sqrt{5}$

ÜÇGENLER - 8

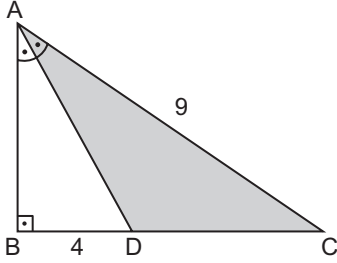
7.



ABC üçgeninde $D \in [BC]$, $E \in [AC]$, $|AE| = 5|EC|$, $3|BD| = 2|DC|$, $A(\widehat{ADB}) = 12 \text{ cm}^2$ olduğuna göre, $A(\widehat{DEC})$ kaç santimetrekaredir?

- A) 2 B) 3 C) 5 D) 6 E) 7

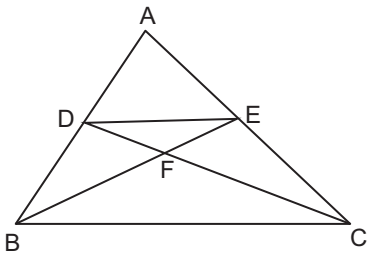
8.



ABC dik üçgeninde $[AB] \perp [BC]$, $m(\widehat{BAD}) = m(\widehat{DAC})$, $|BD| = 4 \text{ cm}$ ve $|AC| = 9 \text{ cm}$ olduğuna göre, $A(\widehat{ADC})$ kaç santimetrekaredir?

- A) 6 B) 9 C) 12 D) 18 E) 36

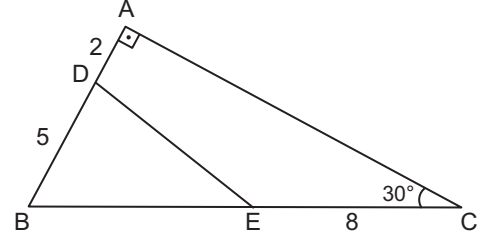
9.



ABC üçgeninde $[BE]$ ve $[CD]$ kenarortaylardır. $[BE] \cap [CD] = \{F\}$, $A(\widehat{ABC}) = 96 \text{ cm}^2$ olduğuna göre, $A(\widehat{DFE})$ kaç santimetrekaredir?

- A) 2 B) 4 C) 5 D) 6 E) 8

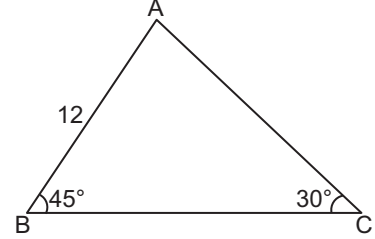
10.



ABC üçgeninde $[AB] \perp [AC]$, $m(\widehat{ACB}) = 30^\circ$, $|AD| = 2 \text{ cm}$, $|BD| = 5 \text{ cm}$ ve $|EC| = 8 \text{ cm}$ olduğuna göre, $A(\widehat{DBE})$ kaç santimetrekaredir?

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

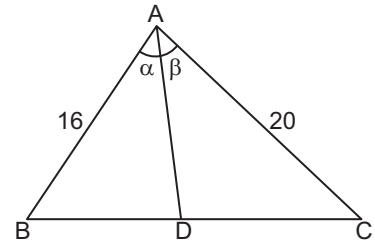
11.



ABC üçgeninde $m(\widehat{ABC}) = 45^\circ$, $m(\widehat{ACB}) = 30^\circ$ ve $|AD| = 12 \text{ cm}$ olduğuna göre, $|AC|$ kaç santimetredir?

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

12.



ABC üçgeninde $|AB| = 16 \text{ cm}$, $|AC| = 20 \text{ cm}$, $|BD| = |DC|$, $m(\widehat{BAD}) = \alpha$ ve $m(\widehat{DAC}) = \beta$ olduğuna göre, $\frac{\sin \alpha}{\sin \beta}$ kaçtır?

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

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Adı :

Soyadı :

Sınıf :

No :

1	2	3	4	5	6	7	8	9	10	11	12
A	A	A	A	A	A	A	A	A	A	A	A
B	B	B	B	B	B	B	B	B	B	B	B
C	C	C	C	C	C	C	C	C	C	C	C
D	D	D	D	D	D	D	D	D	D	D	D
E	E	E	E	E	E	E	E	E	E	E	E

Doğru :

Yanlış :

Boş :

Puan :