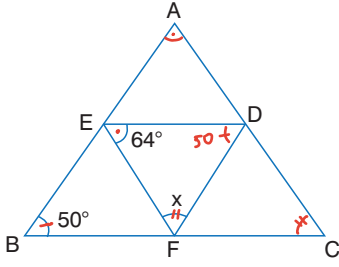


1.



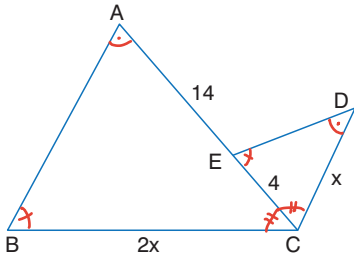
$\widehat{ABC} \sim \widehat{EDF}$
 $m(\widehat{DEF}) = 64^\circ$
 $m(\widehat{ABC}) = 50^\circ$

$x + 50 + 64 = 180$
 $x + 114 = 180$
 $x = 66$

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

- A) 50 B) 54 C) 60 D) 64 **E) 66**

2.



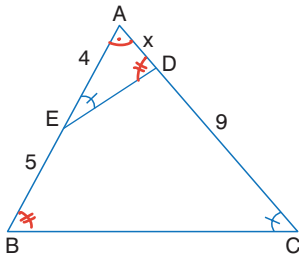
$\widehat{ABC} \sim \widehat{DEC}$
 $|AE| = 14$ cm
 $|EC| = 4$ cm
 $|DC| = x$ cm
 $|BC| = 2x$ cm

Yukarıdaki verilere göre, x kaç cm'dir?

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

$\frac{x}{18} = \frac{4}{2x}$ $2x^2 = 72$ $x^2 = 36$ $x = 6$

3.



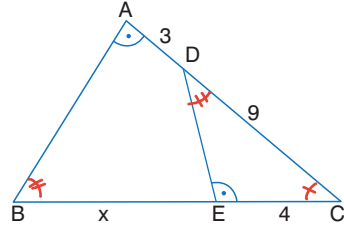
ABC üçgen
 $m(\widehat{AED}) = m(\widehat{ACB})$
 $|AE| = 4$ cm
 $|BE| = 5$ cm
 $|DC| = 9$ cm

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

- A) 2 **B) 3** C) 4 D) 5 E) 6

$\frac{x}{9} = \frac{4}{x+9}$ $x^2 + 9x = 36$
 $x = 3$

4.



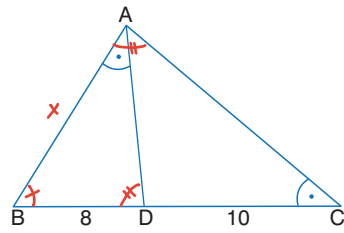
ABC üçgen
 $m(\widehat{BAC}) = m(\widehat{DEC})$
 $|AD| = 3$ cm
 $|DC| = 9$ cm,
 $|EC| = 4$ cm

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

- A) 12 B) 15 C) 19 D) 21 **E) 23**

$\frac{4}{12} = \frac{9}{x+4}$ $4x+16 = 108$
 $x = 23$

5.



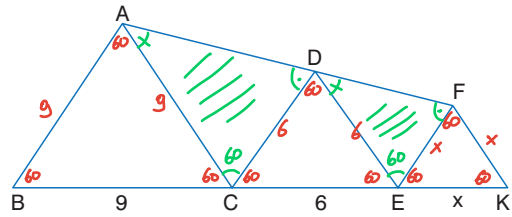
ABC üçgen
 $m(\widehat{BAD}) = m(\widehat{ACB})$
 $|BD| = 8$ cm
 $|DC| = 10$ cm

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

- A) $4\sqrt{5}$ B) 9 C) $3\sqrt{10}$ **D) 12** E) 18

$\frac{8}{x} = \frac{x}{18}$ $x^2 = 144$
 $x = 12$

6.



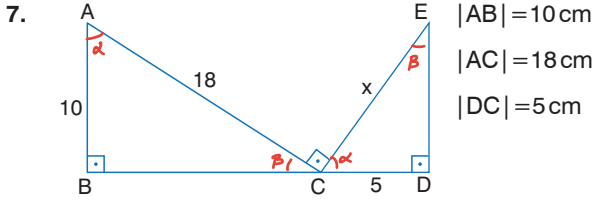
\widehat{ABC} , \widehat{DCE} ve \widehat{FEK} eşkenar üçgendir.

$|BC| = 9$ cm, $|EC| = 6$ cm, $|EK| = x$ cm

$\frac{9}{6} = \frac{6}{x}$
 $x = 4$

Yukarıdaki şekilde A, D, F doğrusal olduğuna göre, x kaç cm'dir?

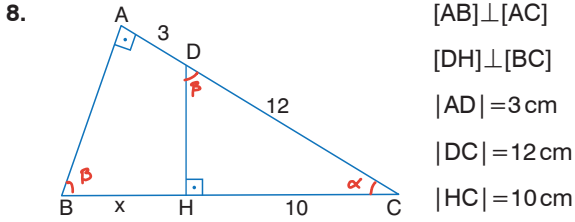
- A) 2 B) 3 **C) 4** D) 5 E) 6



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

- A) 9 B) 10 C) 12 D) 13 E) 15

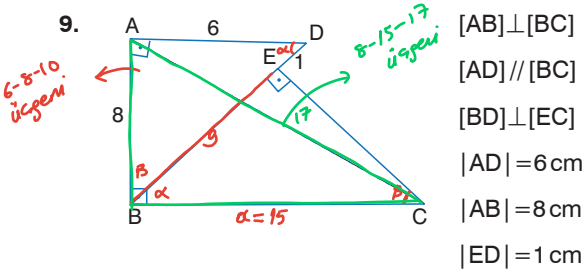
$$\frac{10}{5} = \frac{18}{x} \quad 10x = 90 \quad x = 9$$



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

- A) 6 B) 8 C) 10 D) 12 E) 15

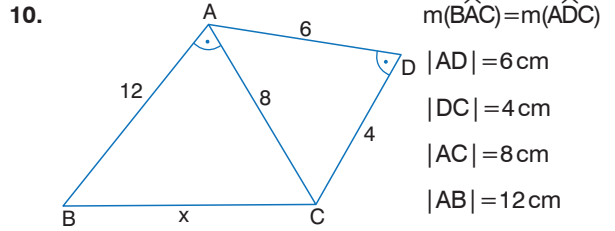
$$\frac{10}{15} = \frac{12}{x+10} \quad x = 8$$



Yukarıdaki verilere göre, $|AC|$ kaç cm'dir?

- A) 10 B) 12 C) $8\sqrt{5}$ D) 16 E) 17

$$\frac{6}{3} = \frac{10}{a} \quad a = 15$$

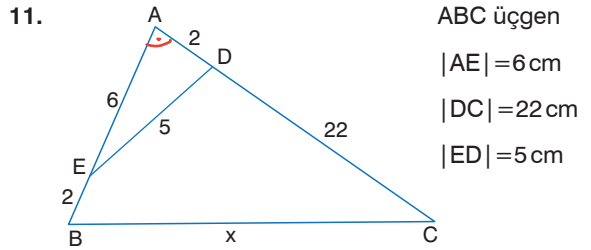


Yukarıdaki verilere göre, $|BC| = x$ kaç cm'dir?

- A) 9 B) 12 C) 14 D) 16 E) 18

Kenar-Açı-Kenar Benzerliği

$$\frac{4}{8} = \frac{6}{12} = \frac{8}{x} \quad x = 16$$

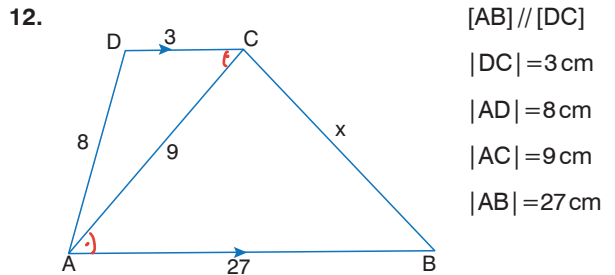


Yukarıdaki verilere göre, $|BC| = x$ kaç cm'dir?

- A) 10 B) 15 C) 20 D) 25 E) 30

K-A-K Benzerliği

$$\frac{2}{8} = \frac{6}{24} = \frac{5}{x} \quad x = 20$$



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

- A) 10 B) 12 C) 16 D) 20 E) 24

K.A.K Benzerliği

$$\frac{3}{9} = \frac{9}{27} = \frac{8}{x} \quad x = 24$$