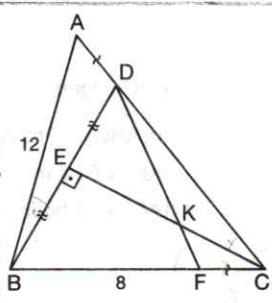


1

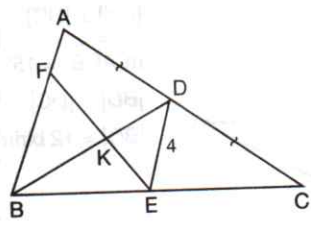


ABC üçgen
 $[CE] \perp [BD]$
 $|BE| = |ED|$
 $|AD| = |FC|$
 $|BD| = |DF|$
 $|AB| = 12$ birim
 $|BF| = 8$ birim

Yukarıdaki verilere göre, $|FC|$ kaç birimdir?

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

2

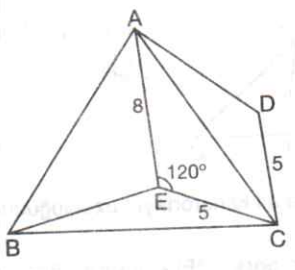


ABC üçgen
 $[AB] \parallel [DE]$
 $2|FK| = 3|KE|$
 $|AD| = |DC|$
 $|DE| = 4$ birim

Buna göre, $|AF|$ uzunluğu kaç birimdir?

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

3

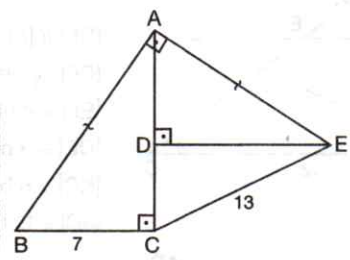


ABC eşkenar üçgen
 $m(\widehat{AEC}) = 120^\circ$
 $[AE] \parallel [DC]$
 $|AE| = 8$ birim
 $|EC| = 5$ birim
 $|CD| = 5$ birim

Buna göre, $|BE|$ uzunluğu kaç birimdir?

- A) 5 B) 6 C) 7 D) 8 E) 9

4

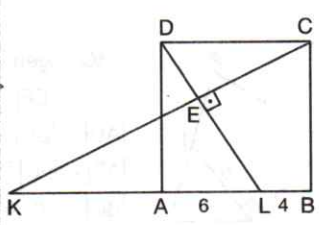


ABCE dörtgen
 $[BA] \perp [AE]$
 $[AC] \perp [BC]$
 $[ED] \perp [AC]$
 $|AB| = |AE|$
 $|BC| = 7$ birim
 $|CE| = 13$ birim

Yukarıdaki verilere göre, $|DC|$ kaç birimdir?

- A) 5 B) 6 C) 7 D) 8 E) 9

5

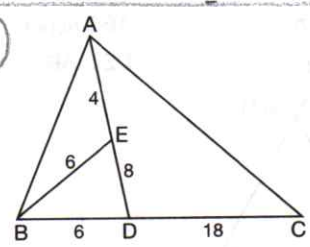


ABCD kare
K, A ve B noktaları doğrusal
 $[KC] \perp [DL]$
 $|AL| = 6$ birim
 $|LB| = 4$ birim

Yukarıdaki verilere göre, $|KA|$ kaç birimdir?

- A) $\frac{20}{3}$ B) 6 C) $\frac{16}{3}$ D) 5 E) $\frac{14}{3}$

6

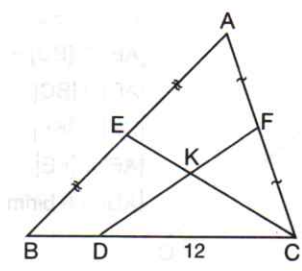


ABC üçgen
 $|AE| = 4$ birim
 $|ED| = 8$ birim
 $|EB| = 6$ birim
 $|BD| = 6$ birim
 $|DC| = 18$ birim

Yukarıdaki verilere göre, $\frac{|AB|}{|AC|}$ oranı kaçtır?

- A) $\frac{1}{2}$ B) $\frac{1}{3}$ C) $\frac{3}{4}$ D) $\frac{4}{5}$ E) $\frac{5}{6}$

7

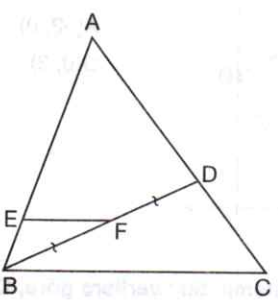


ABC üçgen
 $[CE] \cap [DF] = \{K\}$
 $|AE| = |BE|$
 $|AF| = |CF|$
 $3|EK| = 2|KC|$
 $|DC| = 12$ birim

Buna göre, $|BD|$ uzunluğu kaç birimdir?

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

8

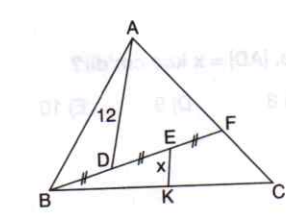


ABC üçgen
B, F, D doğrusal
 $[EF] \parallel [BC]$
 $|BF| = |FD|$
 $|AD| = 3|DC|$

Buna göre, $\frac{|EF|}{|BC|}$ oranı kaçtır?

- A) $\frac{1}{2}$ B) $\frac{1}{3}$ C) $\frac{1}{4}$ D) $\frac{1}{6}$ E) $\frac{3}{8}$

9

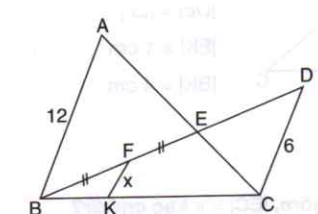


ABC bir üçgen
 $[AD] \parallel [EK]$
 $|AF| = 2|FC|$
 $|BD| = |DE| = |EF|$
 $|AD| = 12$ cm

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

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

10

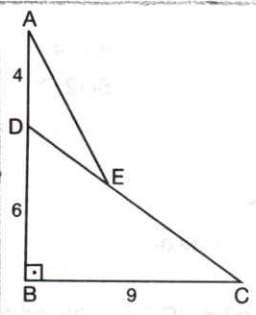


Şekilde,
 $[AB] \parallel [FK] \parallel [CD]$
 $|BF| = |EF|$
 $|AB| = 12$ cm
 $|CD| = 6$ cm

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

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

11

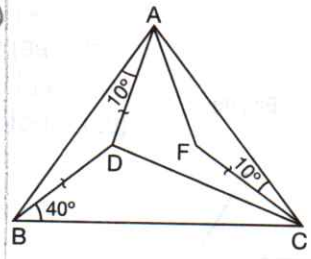


DBC dik üçgen
 $[AB] \perp [BC]$
 $|DC| = 3|DE|$
 $|AD| = 4$ birim
 $|DB| = 6$ birim
 $|BC| = 9$ birim

Yukarıdaki verilere göre, $|AE|$ kaç birimdir?

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

12

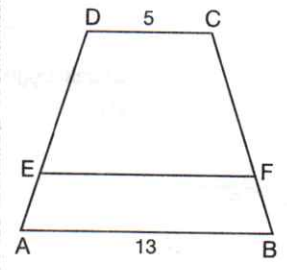


ABC üçgen
 $|AB| = |AC|$
 $m(\widehat{BAD}) = 10^\circ$
 $m(\widehat{DBC}) = 40^\circ$
 $m(\widehat{ACF}) = 10^\circ$
 $|AD| = |DB| = |FC|$

Buna göre, $m(\widehat{DCB})$ kaç derecedir?

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

13

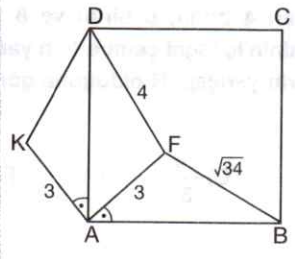


$[DC] \parallel [EF] \parallel [AB]$
 $|CF| = 3|FB|$
 $|DC| = 5$ birim
 $|AB| = 13$ birim

Buna göre, $|EF|$ uzunluğu kaç birimdir?

- A) 12 B) 11 C) 10 D) 9 E) 8

14

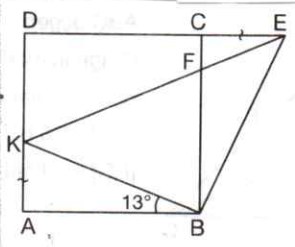


ABCD kare
 $m(\widehat{DAK}) = m(\widehat{FAB})$
 $|DF| = 4$ birim
 $|AK| = 3$ birim
 $|AF| = 3$ birim
 $|FB| = \sqrt{34}$ birim

Buna göre, $m(\widehat{DFA})$ kaç derecedir?

- A) 90 B) 105 C) 120 D) 135 E) 150

15

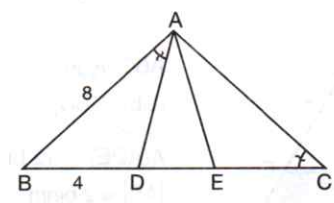


ABCD kare
 $m(\widehat{ABK}) = 13^\circ$
 $|AK| = |CE|$

Buna göre, $m(\widehat{KED})$ kaç derecedir?

- A) 24 B) 26 C) 28 D) 30 E) 32

16



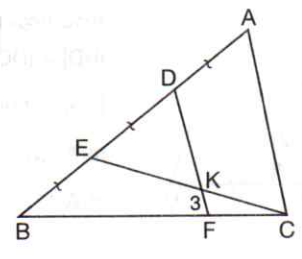
ABC üçgen
 $|BD| = 4$ birim
 $|AB| = 8$ birim
 $|AD| = 4\sqrt{2}$ br

$m(\widehat{ABC}) = m(\widehat{DAE}) = m(\widehat{EAC})$ ve $m(\widehat{BAD}) = m(\widehat{ACB})$

Yukarıdaki verilere göre, \widehat{ADE} kaç birimdir?

- A) 12 B) $4\sqrt{2} + 8$ C) $4\sqrt{2} + 12$
D) $8\sqrt{2} + 4$ E) 16

17

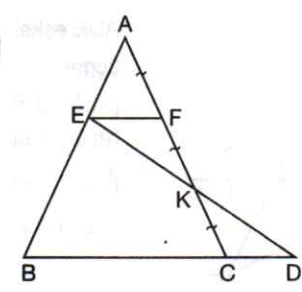


ABC üçgen
 $[DF] \parallel [AC]$
 $|AD| = |DE| = |EB|$
 $|KF| = 3$ birim

Buna göre, $|AC| + |DK|$ toplamı kaçtır?

- A) 24 B) 25 C) 26 D) 27 E) 28

18

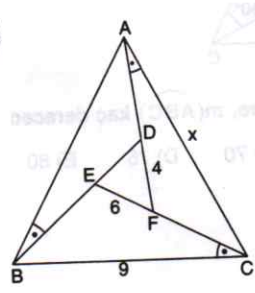


ABC üçgen
 $[EF] \parallel [BD]$
E, K, D doğrusal
 $|AF| = |FK| = |KC|$
 $|BD| = 16$ birim

Buna göre, $|CD|$ uzunluğu kaç birimdir?

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

19

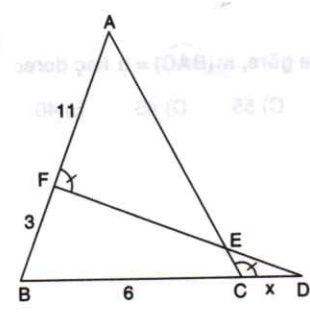


Şekilde ABC ve DEF birer üçgen
 $m(\widehat{FAC}) = m(\widehat{ECB}) = m(\widehat{ABD})$
 $|BC| = 9$ cm
 $|EF| = 6$ cm
 $|DF| = 4$ cm

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

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

20



Şekilde ABC ve FBD birer üçgen
 $m(\widehat{AFD}) = m(\widehat{ACD})$
 $|AF| = 11$ cm
 $|FB| = 3$ cm
 $|BC| = 6$ cm

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

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