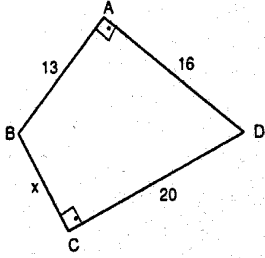


ÖZEL ÜÇGENLER TEST-1

1.

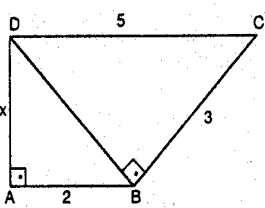


ABCD bir dörtgen
 $[AB] \perp [AD]$
 $[CB] \perp [CD]$
 $|AB| = 13 \text{ cm}$
 $|AD| = 16 \text{ cm}$
 $|CD| = 20 \text{ cm}$
 $|BC| = x$

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

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

2.

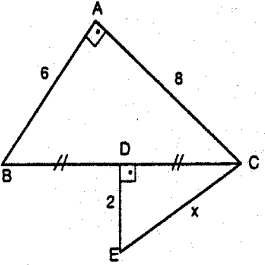


$[AB] \perp [AD]$
 $[BC] \perp [BD]$
 $|AB| = 2 \text{ cm}$
 $|BC| = 3 \text{ cm}$
 $|CD| = 5 \text{ cm}$

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

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

3.

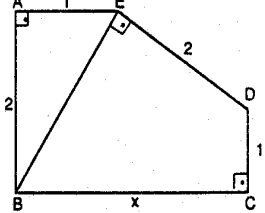


ABC ve DEC
 birer diküçgen
 $[AB] \perp [AC]$
 $[ED] \perp [EC]$
 $|BD| = |DC|$
 $|AB| = 6 \text{ cm}$
 $|AC| = 8 \text{ cm}$
 $|ED| = 2 \text{ cm}$

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

- A) 4 B) $2\sqrt{6}$ C) 5 D) $2\sqrt{7}$ E) $\sqrt{29}$

4.

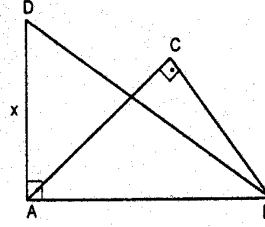


$[AB] \perp [AE]$
 $[EB] \perp [ED]$
 $[CB] \perp [CD]$
 $|AB| = |ED| = 2 \text{ cm}$
 $|AE| = |CD| = 1 \text{ cm}$

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

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

5.

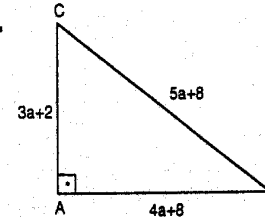


ABC ve ABD
 birer diküçgen
 $[AB] \perp [AD]$
 $[CA] \perp [CB]$
 $|AC| = 12 \text{ cm}$
 $|CB| = 9 \text{ cm}$
 $|DB| = 17 \text{ cm}$

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

- A) 7 B) 8 C) 9 D) 10 E) 12

6.

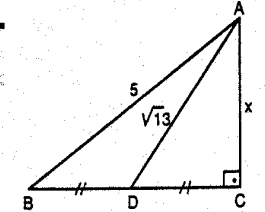


ABC bir diküçgen
 $[AB] \perp [AC]$
 $|AB| = 4a + 8 \text{ cm}$
 $|AC| = 3a + 2 \text{ cm}$
 $|BC| = 5a + 8 \text{ cm}$

Yukarıdaki verilere göre, hipotenüs uzunluğu kaç cm dir?

- A) 10 B) 12 C) 13 D) 15 E) 17

7.

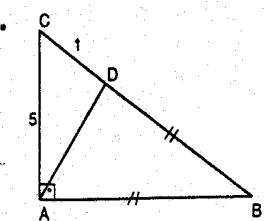


ABC bir diküçgen
 $[AC] \perp [BC]$
 $|BD| = |DC|$
 $|AB| = 5 \text{ cm}$
 $|AD| = \sqrt{13} \text{ cm}$

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

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

8.

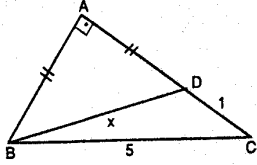


ABC bir diküçgen
 $[AB] \perp [AC]$
 $|AB| = |BD|$
 $|AC| = 5 \text{ cm}$
 $|CD| = 1 \text{ cm}$

Yukarıdaki verilere göre, ABC üçgenin çevresi kaç cm dir?

- A) 26 B) 28 C) 29 D) 30 E) 32

9.

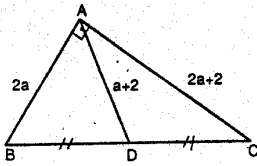


ABC bir diküçgen
 $[AB] \perp [AC]$
 $|AB| = |AD|$
 $|BC| = 5$ cm
 $|DC| = 1$ cm

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

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

10.

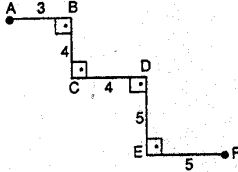


ABC bir diküçgen
 $[AB] \perp [AC]$
 $[AD]$ kenarortay
 $|AB| = 2a$ cm
 $|AC| = 2a + 2$ cm
 $|AD| = a + 2$ cm

Yukarıdaki verilere göre, a sayısı kaçtır?

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

11.

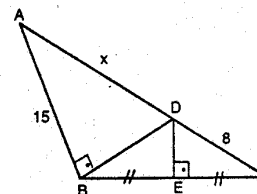


$[AB] \perp [BC]$, $[BC] \perp [CD]$,
 $[CD] \perp [DE]$, $[DE] \perp [EF]$,
 $|AB| = 3$ cm
 $|BC| = |CD| = 4$ cm
 $|DE| = |EF| = 5$ cm

Yukarıdaki verilere göre, A ve F noktaları arasındaki uzaklık kaç cm dir?

- A) 13 B) 15 C) 17 D) 20 E) 21

12.

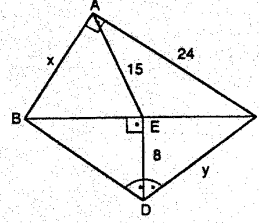


ABC bir üçgen
 $[AB] \perp [BD]$
 $[DE] \perp [BC]$
 $|BE| = |EC|$
 $|AB| = 15$ cm
 $|DC| = 8$ cm

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

- A) 16 B) 17 C) 18 D) 20 E) 25

13.

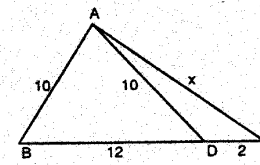


$[AB] \perp [AC]$
 $[DE] \perp [BC]$
 $m(\widehat{CDE}) = m(\widehat{EDB})$
 $|AC| = 24$ cm
 $|AE| = 15$ cm
 $|DE| = 8$ cm
 $|AB| = x$
 $|DC| = y$

Yukarıdaki verilere göre, $x - y$ farkı kaçtır?

- A) -1 B) 0 C) 1 D) 2 E) 5

14.

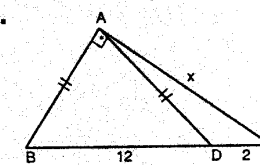


ABC bir üçgen
 $|AB| = |AD| = 10$ cm
 $|BD| = 12$ cm
 $|DC| = 2$ cm
 $|AC| = x$

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

- A) $8\sqrt{2}$ B) 12 C) 13 D) 15 E) 16

15.

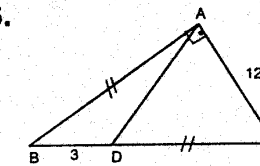


ABC bir üçgen
 $[AB] \perp [AD]$
 $|AB| = |AD|$
 $|BD| = 12$ cm
 $|DC| = 2$ cm

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

- A) $6\sqrt{2}$ B) 10 C) 12 D) 13 E) 15

16.



ABC bir diküçgen
 $[AB] \perp [AC]$
 $|AB| = |DC|$
 $|AB| = 12$ cm
 $|BD| = 3$ cm

Yukarıdaki verilere göre, ABC üçgeninin çevresi kaç cm dir?

- A) 36 B) 48 C) 52 D) 56 E) 60

YANITLAR

1-A 2-D 3-E 4-E 5-B 6-C 7-A 8-D 9-C 10-B
 11-B 12-B 13-C 14-A 15-B 16-E