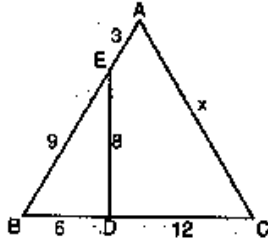


ÜÇGENDE BENZERLİK TEST-2

1.

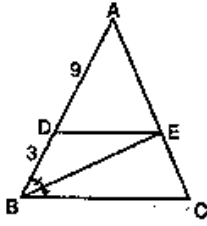


ABC bir üçgen
 $|AE| = 3$ cm
 $|EB| = 9$ cm
 $|BD| = 6$ cm
 $|DC| = 12$ cm
 $|ED| = 8$ cm

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

- A) 10 B) 12 C) 15 D) 16 E) 20

2.

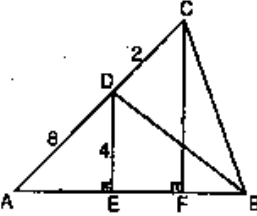


ABC bir üçgen
 $[BE]$ açıortay
 $[DE] \parallel [BC]$
 $|AD| = 9$ cm
 $|BD| = 3$ cm

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

- A) 3 B) 4 C) 5 D) 6 E) 8

3.

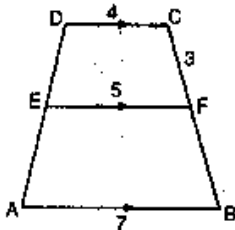


ABC bir üçgen
 $[DE] \perp [AB]$
 $[CF] \perp [AB]$
 $|AE| = |EB|$
 $|AD| = 8$ cm
 $|DC| = 2$ cm
 $|DE| = 4$ cm

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

- A) $\sqrt{13}$ B) $\sqrt{17}$ C) $\sqrt{41}$ D) $2\sqrt{13}$ E) $2\sqrt{17}$

4.

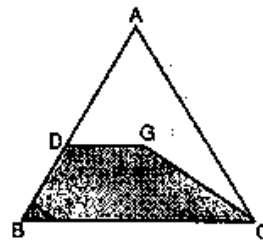


$[DC] \parallel [EF] \parallel [AB]$
 $|AB| = 7$ cm
 $|EF| = 5$ cm
 $|DC| = 4$ cm
 $|CF| = 3$ cm

Buna göre, $|FB|$ kaç cm dir?

- A) 6 B) 7 C) 8 D) 9 E) 10

5.

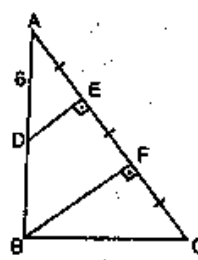


ABC bir üçgen
 G ağırlık merkezi
 $[DG] \parallel [BC]$
 $A(ADGC) = 20$ cm²

Yukarıdaki verilere göre, $A(BCGD)$ kaç cm² dir?

- A) 12 B) 15 C) 16 D) 18 E) 20

6.

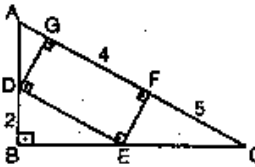


ABC bir üçgen
 $[DE] \perp [AC]$
 $[BF] \perp [AC]$
 $|AD| = 6$ cm
 $|AE| = |EF| = |FC|$
 $|AF| = |BF|$

Yukarıdaki verilere göre, $A(FBC)$ kaç cm² dir?

- A) 12 B) 14 C) 16 D) 18 E) 20

7.

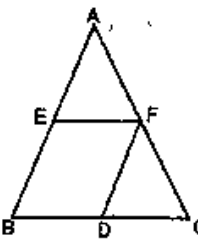


ABC bir diküçgen
 $DEFG$ dikdörtgen
 $|BD| = 2$ cm
 $|GF| = 4$ cm
 $|FC| = 5$ cm

Yukarıdaki verilere göre, $DEFG$ dikdörtgeninin alanı kaç cm² dir?

- A) $\frac{10\sqrt{3}}{3}$ B) $\frac{14\sqrt{3}}{3}$ C) $\frac{20\sqrt{3}}{3}$ D) $12\sqrt{3}$ E) $12\sqrt{7}$

8.

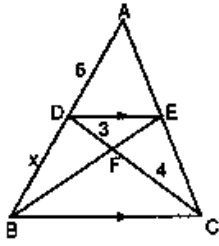


ABC bir üçgen
 $[EF] \parallel [BC]$
 $[FD] \parallel [AB]$
 $A(AEF) = 4$ cm²
 $A(FDC) = 16$ cm²

Yukarıdaki verilere göre, $A(ABC)$ kaç cm² dir?

- A) 24 B) 30 C) 32 D) 36 E) 42

9.

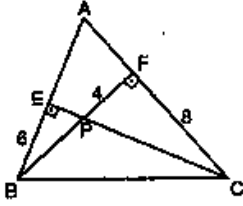


ABC bir üçgen
 $[BC] \parallel [DE]$
 $|DF| = 3 \text{ cm}$
 $|FC| = 4 \text{ cm}$
 $|AD| = 6 \text{ cm}$
 $|DB| = x$

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

- A) 2 B) 3 C) 4 D) 6 E) 9

10.

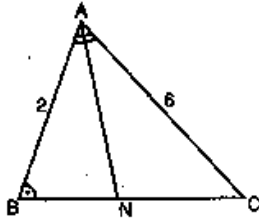


ABC bir üçgen
 $[BF] \perp [AC]$
 $[CE] \perp [AB]$
 $|BE| = 6 \text{ cm}$
 $|CF| = 8 \text{ cm}$
 $|PF| = 4 \text{ cm}$

Yukarıdaki verilere göre, $|EP|$ kaç cm dir?

- A) 3 B) 4 C) 5 D) 6 E) 8

11.

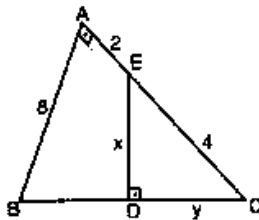


ABC bir üçgen
 $[AN]$ iç açıortay
 $m(\widehat{B}) = m(\widehat{BAN})$
 $|AC| = 6 \text{ cm}$
 $|AB| = 2 \text{ cm}$

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

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

12.

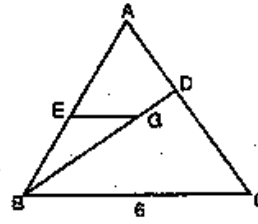


BAC dik üçgen
 $[DE] \perp [BC]$
 $|AE| = 2 \text{ cm}$
 $|EC| = 4 \text{ cm}$
 $|AB| = 8 \text{ cm}$
 $|ED| = x$
 $|DC| = y$

Yukarıdaki verilere göre, $x + y$ toplamı kaç cm dir?

- A) 4.2 B) 4.8 C) 5.2 D) 5.6 E) 7.2

13.

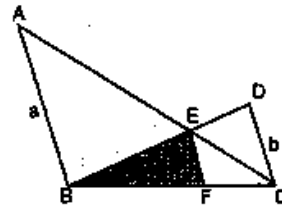


ABC bir üçgen
 G ağırlık merkezi
 $[EG] \parallel [BC]$
 $|BC| = 6 \text{ cm}$

Yukarıdaki verilere göre, $|EG|$ kaç cm dir?

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

14.

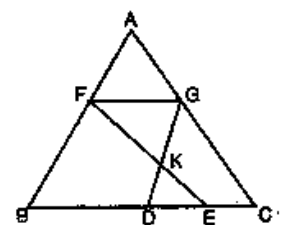


$[AB] \parallel [EF] \parallel [DC]$
 $a = 3b$

Yukarıdaki verilere göre, $\frac{A(BEF)}{A(BDC)}$ oranı kaçtır?

- A) $\frac{9}{16}$ B) $\frac{6}{13}$ C) $\frac{5}{13}$ D) $\frac{4}{13}$ E) $\frac{3}{16}$

15.

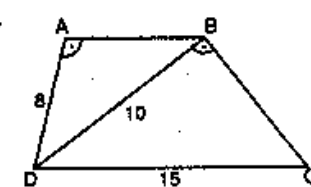


ABC bir üçgen
 F ve G noktaları
 orta noktalardır.
 $|FG| = 9 \text{ cm}$
 $|DE| = 3 |EC|$
 $\frac{|DK|}{|DG|} = \frac{2}{5}$

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

- A) 5 B) 6 C) 10 D) 12 E) 16

16.



$[DC] \parallel [AB]$
 $m(\widehat{BAD}) = m(\widehat{DBC})$
 $|AD| = 8 \text{ cm}$
 $|DB| = 10 \text{ cm}$
 $|DC| = 15 \text{ cm}$

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

- A) 6 B) 10 C) 11 D) 12 E) 15

YANITLAR

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