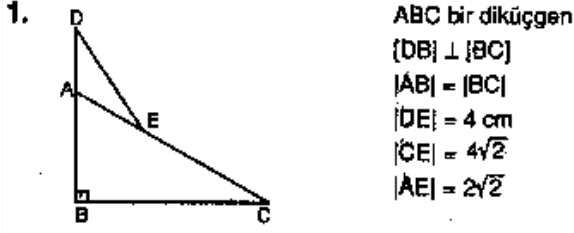


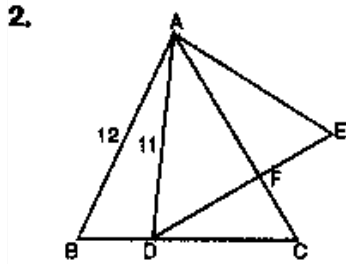
ÜÇGENDE BENZERLİK TEST-3



ABC bir diküçgen
 $[DB] \perp [BC]$
 $|AB| = |BC|$
 $|DE| = 4 \text{ cm}$
 $|CE| = 4\sqrt{2}$
 $|AE| = 2\sqrt{2}$

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

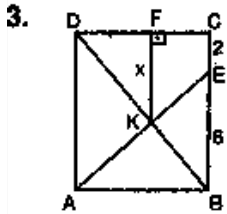
- A) $2 + \sqrt{3}$ B) $2\sqrt{3}$ C) $2\sqrt{3} - 1$ D) 2 E) $2\sqrt{3} - 2$



ABC ve ADE üçgenleri
 birer eşkenar üçgendir.
 $|AB| = 12 \text{ cm}$
 $|AD| = 11 \text{ cm}$

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

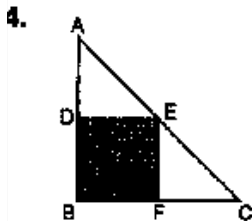
- A) $\frac{113}{14}$ B) $\frac{127}{15}$ C) $\frac{121}{12}$ D) $\frac{23}{2}$ E) $\frac{144}{11}$



ABCD bir dikdörtgen
 $[KF] \perp [DC]$
 $|CE| = 2 \text{ cm}$
 $|BE| = 6 \text{ cm}$
 $|FK| = x$

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

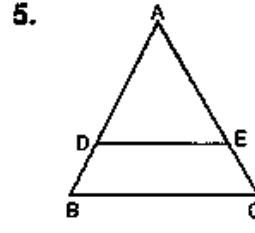
- A) $\frac{24}{7}$ B) 4 C) $\frac{32}{7}$ D) 5 E) $\frac{36}{7}$



ABC bir üçgen
 BDEF bir kare
 $A(BFED) = 16 \text{ cm}^2$
 $|FC| = 2|AD|$

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

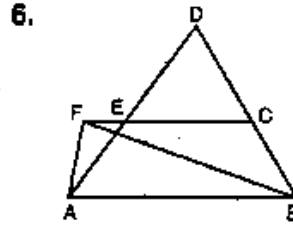
- A) $2\sqrt{5}$ B) $2\sqrt{6}$ C) $4\sqrt{2}$ D) $4\sqrt{5}$ E) $4\sqrt{6}$



ABC bir üçgen
 $[DE] \parallel [BC]$
 $A(ADE) = A(BCED)$
 $|EC| = \sqrt{2} \text{ cm}$

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

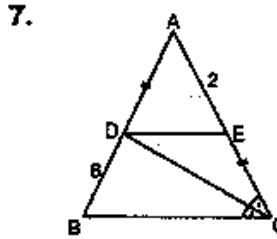
- A) $\sqrt{2}$ B) $\sqrt{2} + 1$ C) $2\sqrt{2}$ D) $\sqrt{2} + 2$ E) $2\sqrt{2} + 2$



DAB bir üçgen
 $[FC] \parallel [AB]$
 $|AB| = 4|FE|$
 $|EC| = 2|EF|$

Yukarıdaki verilere göre, $\frac{A(DAB)}{A(ABCF)}$ oranı kaçtır?

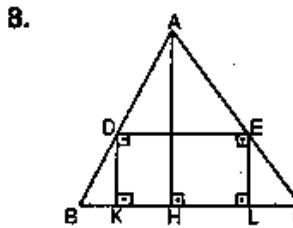
- A) $\frac{10}{9}$ B) $\frac{8}{7}$ C) $\frac{6}{5}$ D) $\frac{4}{3}$ E) $\frac{3}{2}$



ABC bir üçgen
 $[CD]$ açıortay
 $[DE] \parallel [BC]$
 $|AD| = |EC|$
 $|AE| = 2 \text{ cm}$
 $|BD| = 8 \text{ cm}$

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

- A) 4 B) 6 C) 8 D) 10 E) 12

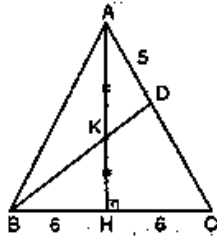


ABC bir üçgen
 $[AH] \perp [BC]$
 $|BC| = a$
 $|EL| = x$
 $|KL| = 2x$
 $|AH| = h$

KLED dikdörtgen olmak üzere; x'in a ve h cinsinden değeri aşağıdakilerden hangisidir?

- A) $\frac{ah}{2h+a}$ B) $\frac{h}{2}$ C) $\frac{\sqrt{ah}}{2}$ D) $\frac{a}{2}$ E) $\frac{ah}{a+h}$

9.

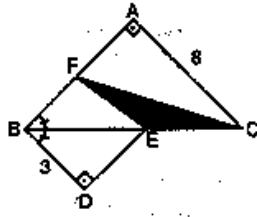


ABC bir üçgen
 $[AH] \perp [BC]$
 $|AK| = |KH|$
 $|BH| = |HC| = 6 \text{ cm}$
 $|AD| = 5 \text{ cm}$

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

- A) 10 B) 12 C) 15 D) 18 E) 20

10.

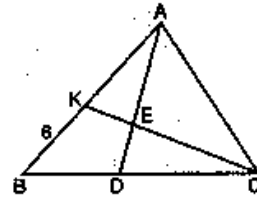


BAC bir diküçgen
 $[FE] \parallel [AC]$
 $[BD] \perp [DE]$
 $[BC]$ açıortay
 $|BE| = |EC|$
 $|AC| = 8 \text{ cm}$
 $|BD| = 3 \text{ cm}$

Yukarıdaki verilere göre, $A(FEC)$ kaç cm^2 dir?

- A) 4 B) 6 C) 8 D) 9 E) 12

11.

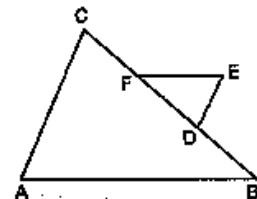


ABC bir üçgen
 $\frac{|BD|}{|DC|} = \frac{|DE|}{|EA|} = \frac{1}{2}$
 $|BK| = 6 \text{ cm}$

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

- A) 6 B) 8 C) 9 D) 10 E) 12

12.

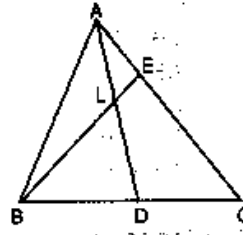


ABC bir üçgen
 $[AC] \parallel [DE]$
 $[FE] \parallel [AB]$
 $|AB| = 4|FE|$

Yukarıdaki verilere göre, $\frac{|CF| + |DB|}{|FD|}$ oranı kaçtır?

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

13.

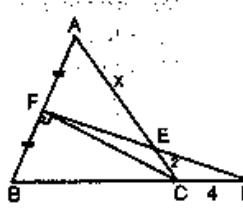


ABC bir üçgen
 $|BD| = |DC|$
 $4|AL| = 3|LD|$

Yukarıdaki verilere göre, $\frac{A(LE)}{A(ABC)}$ oranı kaçtır?

- A) $\frac{1}{6}$ B) $\frac{1}{9}$ C) $\frac{3}{28}$ D) $\frac{9}{154}$ E) $\frac{3}{140}$

14.

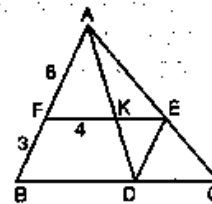


$[CF] \perp [AB]$
 $|AF| = |FB|$
 $|EC| = 2 \text{ cm}$
 $|CD| = 4 \text{ cm}$
 $|AE| = x$

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

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

15.

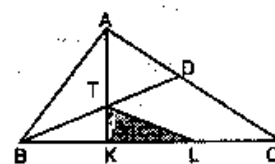


ABC bir üçgen
 $[AB] \parallel [DE]$
 $[FE] \parallel [BC]$
 $|AF| = 6 \text{ cm}$
 $|FB| = 3 \text{ cm}$
 $|FK| = 4 \text{ cm}$

Yukarıdaki verilere göre, DC uzunluğu kaç cm dir?

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

16.



ABC bir üçgen
 $|AD| = |DC|$
 $|BK| = |KL| = |LC|$

Yukarıdaki verilere göre, $\frac{A(TLCD)}{A(TKL)}$ oranı kaçtır?

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

YANITLAR

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