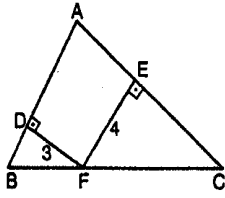


ÜÇGENDE ALAN TEST-2

1.

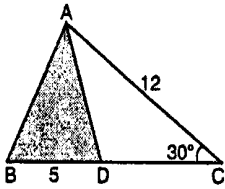


ABC bir üçgen
 $[AB] \perp [FD]$
 $[AC] \perp [FE]$
 $|AB| = 6 \text{ cm}$
 $|AC| = 8 \text{ cm}$
 $|DF| = 3 \text{ cm}$
 $|EF| = 4 \text{ cm}$

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

- A) 25 B) 30 C) 35 D) 40 E) 45

2.

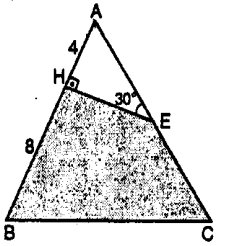


ABC bir üçgen
 $m(\widehat{ACB}) = 30^\circ$
 $|AC| = 12 \text{ cm}$
 $|BD| = 5 \text{ cm}$

Yukarıdaki verilere göre, ABD taralı olanı kaç cm^2 dir?

- A) 12 B) 15 C) 18 D) 24 E) 30

3.

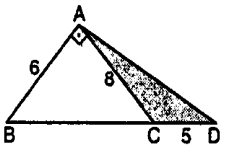


ABC bir üçgen
 $[EH] \perp [AB]$
 $|AE| = 2|EC|$
 $|AH| = 4 \text{ cm}$
 $|HB| = 8 \text{ cm}$
 $m(\widehat{AEH}) = 30^\circ$

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

- A) $25\sqrt{3}$ B) $28\sqrt{3}$ C) $30\sqrt{3}$
D) $32\sqrt{3}$ E) $36\sqrt{3}$

4.

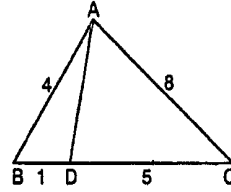


ABD bir üçgen
 $[BA] \perp [AC]$
 $|AB| = 6 \text{ cm}$
 $|AC| = 8 \text{ cm}$
 $|CD| = 5 \text{ cm}$

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

- A) 8 B) 12 C) 15 D) 16 E) 20

5.

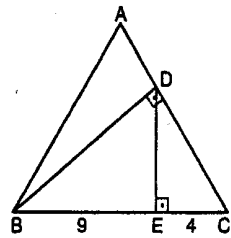


ABC bir üçgen
 $|AB| = 4 \text{ cm}$
 $|AC| = 8 \text{ cm}$
 $|BD| = 1 \text{ cm}$
 $|DC| = 5 \text{ cm}$

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

- A) $3\sqrt{15}$ B) $\frac{5\sqrt{15}}{2}$ C) $2\sqrt{15}$
D) $\frac{3\sqrt{15}}{2}$ E) $\frac{\sqrt{15}}{2}$

6.

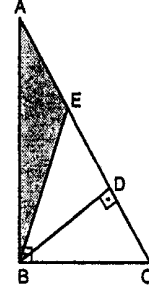


$[BD] \perp [AC]$
 $[DE] \perp [BC]$
 $|AC| = 4|AD|$
 $|EC| = 4 \text{ cm}$
 $|BE| = 9 \text{ cm}$

Yukarıdaki verilere göre, Alan (ABC) kaç cm^2 dir?

- A) 48 B) 50 C) 51 D) 52 E) 56

7.

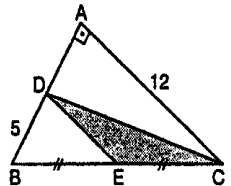


ABC bir dik üçgen
 $[BD] \perp [AC]$
 $|AE| = |ED| = 2|DC|$
 $|BD| = 6 \text{ cm}$

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

- A) 72 B) 54 C) 36 D) 18 E) 9

8.

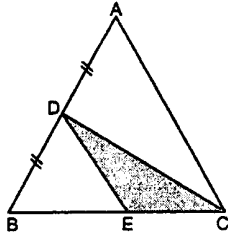


BAC dik üçgen
 $|BE| = |EC|$
 $|BD| = 5 \text{ cm}$
 $|AC| = 12 \text{ cm}$

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

- A) 8 B) 10 C) 12 D) 15 E) 18

9.

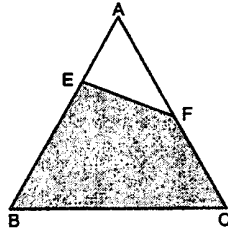


ABC bir üçgen
 $|AD| = |BD|$
 $2|BE| = 3|EC|$
 $A(ABC) = 50 \text{ cm}^2$

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

- A) 6 B) 8 C) 10 D) 12 E) 16

10.

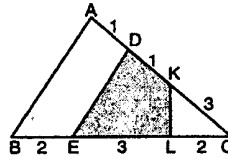


ABC bir üçgen
 $\frac{|AE|}{|BE|} = \frac{1}{4}$
 $\frac{|AF|}{|AC|} = \frac{3}{5}$
 $A(ABC) = 100 \text{ cm}^2$

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

- A) 88 B) 80 C) 78 D) 75 E) 70

11.

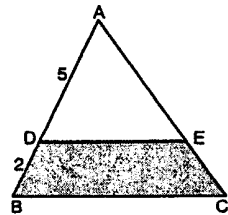


ABC bir üçgen
 $|AD| = |DK| = 1 \text{ birim}$
 $|KC| = |EL| = 3 \text{ birim}$
 $|BE| = |LC| = 2 \text{ birim}$

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

- A) $\frac{9}{35}$ B) $\frac{12}{35}$ C) $\frac{14}{35}$ D) $\frac{16}{35}$ E) $\frac{18}{35}$

12.

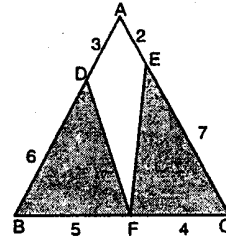


ABC bir üçgen
 $[DE] \parallel [BC]$
 $|AD| = 5 \text{ cm}$
 $|BD| = 2 \text{ cm}$
 $A(BCED) = 24 \text{ cm}^2$

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

- A) 25 B) 30 C) 36 D) 45 E) 49

13.

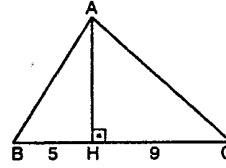


ABC bir üçgen
 $|AD| = 3 \text{ cm}$
 $|DB| = 6 \text{ cm}$
 $|AE| = 2 \text{ cm}$
 $|EC| = 7 \text{ cm}$
 $|BF| = 5 \text{ cm}$
 $|FC| = 4 \text{ cm}$

Yukarıdaki verilere göre, taralı alanlar toplamı kaç cm^2 dir?

- A) $\frac{29\sqrt{3}}{2}$ B) $\frac{33\sqrt{3}}{2}$ C) $\frac{35\sqrt{3}}{2}$
D) $\frac{37\sqrt{3}}{2}$ E) $\frac{39\sqrt{3}}{2}$

14.

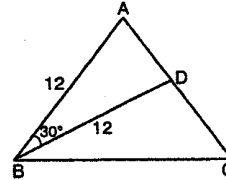


ABC bir üçgen
 $[AH] \perp [BC]$
 $|BH| = 5 \text{ cm}$
 $|HC| = 9 \text{ cm}$

Yukarıdaki üçgende $|AC| = |AB| + 2$ olduğuna göre, $A(ABC)$ kaç cm^2 dir?

- A) 84 B) 72 C) 64 D) 54 E) 50

15.

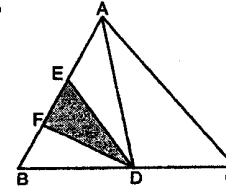


ABC bir üçgen
 $m(\widehat{ABD}) = 30^\circ$
 $|AB| = |BD| = 12 \text{ cm}$
 $|AD| = |DC|$

ABC üçgeninde $|AD| = |DC|$ olduğuna göre, $A(ABC)$ kaç cm^2 dir?

- A) 36 B) 54 C) 60 D) 72 E) 78

16.



ABC bir üçgen
 $2|BD| = 3|DC|$
 $|FE| = \frac{|AB|}{4}$

Yukarıda verilen ABC üçgeninin alanı 20 cm^2 olduğuna göre, $A(FDE)$ kaç cm^2 dir?

- A) 1 B) 3 C) 4 D) 5 E) 6