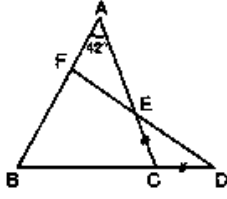


ÜÇGENLER GENEL TEKRAR TESTİ -1

1.

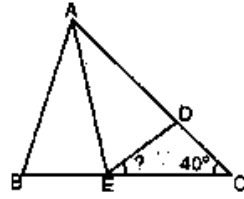


ABC bir üçgen
 $|FD| = |BD|$
 $|EC| = |CD|$
 $m(\widehat{A}) = 42^\circ$

Yukarıdaki verilere göre, $m(\widehat{BCA})$ kaç derecedir?

- A) 60 B) 62 C) 64 D) 66 E) 68

2.

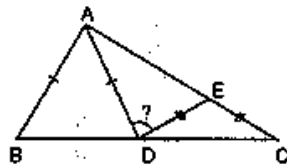


ABC bir üçgen
 $|AC| = |BC|$
 $|AB| = |AD| = |AE|$
 $m(\widehat{ACB}) = 40^\circ$

Yukarıdaki verilere göre, DEC açısı kaç derecedir?

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

3.

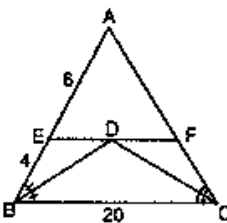


ABC bir üçgen
 $|AB| = |AD|$
 $|ED| = |EC|$
 $m(\widehat{BAC}) = 100^\circ$

Yukarıdaki verilere göre, EDA açısı kaç derecedir?

- A) 80 B) 100 C) 105 D) 110 E) 120

4.

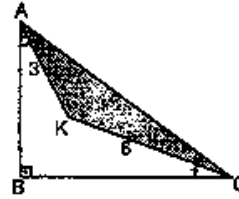


ABC bir üçgen
 $|BC| \parallel |EF|$
 $[BD]$ ve $[CD]$ açıortay
 $|AE| = 6$ cm
 $|EB| = 4$ cm
 $|BC| = 20$ cm

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

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

5.

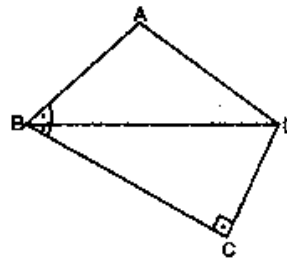


ABC dik üçgen
 K açıortayların kesim noktasıdır.
 $|AK| = 3$ cm
 $|KC| = 6$ cm

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

- A) $\frac{3\sqrt{2}}{2}$ B) $3\sqrt{2}$ C) $\frac{9\sqrt{2}}{2}$ D) $6\sqrt{2}$ E) $9\sqrt{2}$

6.

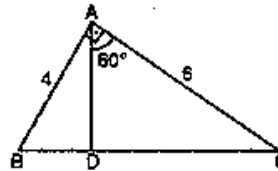


ABD ve BDC
 birer üçgen
 $[BC] \perp [CD]$
 $[BD]$ açıortay
 $|AB| = |AD| = 5$ cm
 $|BD| = 8$ cm

Yukarıdaki verilere göre, $\frac{A(ABD)}{A(BCD)}$ oranı kaçtır?

- A) $\frac{25}{64}$ B) $\frac{25}{48}$ C) $\frac{25}{32}$ D) $\frac{25}{28}$ E) 1

7.

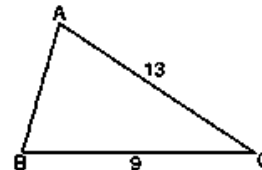


BAC dik üçgen
 $m(\widehat{DAC}) = 60^\circ$
 $|AB| = 4$ cm
 $|AC| = 6$ cm

Yukarıdaki verilere göre, $\frac{A(ABD)}{A(ADC)}$ oranı kaçtır?

- A) $\frac{2\sqrt{3}}{3}$ B) $\frac{\sqrt{3}}{9}$ C) $\frac{2\sqrt{3}}{9}$ D) $\frac{4}{9}$ E) $\frac{2}{3}$

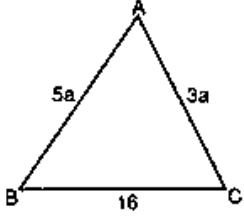
8.

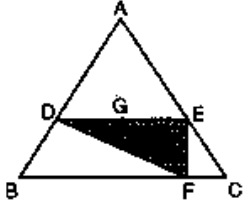


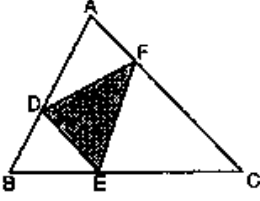
ABC bir üçgen
 $m(\widehat{C}) < 60^\circ$
 $|AC| = 13$ cm
 $|BC| = 9$ cm

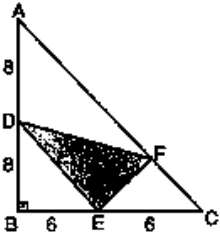
Şekilde verilenlere göre, $|AB|$ kaç cm olabilir?

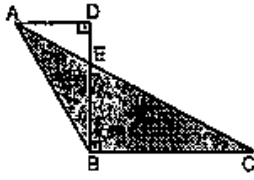
- A) 20 B) 17 C) 14 D) 11 E) 4

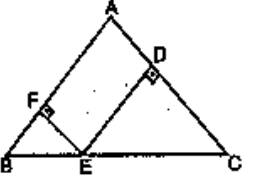
9.  ABC bir üçgen
 $a \in \mathbb{R}$
 $|AB| = 5a$
 $|AC| = 3a$
 $|BC| = 16$ cm
- Buna göre, a nın en geniş aralığı aşağıdakilerden hangisidir?
- A) $3 < a < 9$ B) $4 < a < 8$ C) $2 < a < 8$
D) $2 < a < 10$ E) $4 < a < 10$

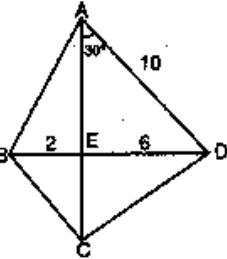
10.  ABC bir üçgen
G, ağırlık merkezi
 $|DE| \parallel |BC|$
 $F \in |BC|$
 $A(ABC) = 72$ cm²
- Yukarıdaki verilere göre, $A(DEF)$ kaç cm² dir?
- A) 30 B) 24 C) 20 D) 18 E) 16

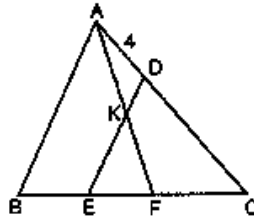
11.  ABC bir üçgen
 $\frac{|AD|}{|DB|} = 3$
 $\frac{|BE|}{|EC|} = \frac{1}{2}$
 $\frac{|AF|}{|FC|} = \frac{1}{4}$
- Şekildeki verilere göre, $\frac{\text{Alan} (DEF)}{\text{Alan} (ABC)}$ oranı kaçtır?
- A) $\frac{4}{15}$ B) $\frac{7}{30}$ C) $\frac{8}{35}$ D) $\frac{7}{32}$ E) $\frac{5}{32}$

12.  ABC bir diküçgen
 $|AB| \perp |BC|$
 $|BE| = |EC| = 6$ cm
 $|AD| = |DB| = 8$ cm
- Yukarıdaki verilere göre, DEF üçgeninin alanı kaç cm² dir?
- A) 10 B) 16 C) 20 D) 24 E) 30

13.  $|AD| \perp |DB|$
 $|DB| \perp |BC|$
 $|DE| = 2$ cm
 $|AD| = 3$ cm
 $|EB| = 4$ cm
- Yukarıdaki verilere göre, ABC üçgeninin alanı kaç cm² dir?
- A) 12 B) 15 C) 18 D) 20 E) 24

14.  ABC bir üçgen
 $|EF| \perp |AB|$
 $|ED| \perp |AC|$
 $\frac{|AB|}{|AC|} = \frac{2}{3}$
 $\frac{|BE|}{|EC|} = \frac{1}{3}$
- Yukarıdaki verilere göre, $\frac{|EF|}{|ED|}$ oranı kaçtır?
- A) $\frac{1}{3}$ B) $\frac{1}{2}$ C) $\frac{2}{3}$ D) $\frac{3}{4}$ E) $\frac{1}{5}$

15.  ABCD bir dörtgen
 $m(\widehat{CAD}) = 30^\circ$
 $|BE| = 2$ cm
 $|ED| = 6$ cm
 $|AD| = 10$ cm
 $A(ABCD) = 40$ cm²
- Yukarıdaki verilere göre, $|AC|$ kaç cm dir?
- A) 8 B) 10 C) 12 D) 14 E) 15

16.  ABC bir üçgen
 $|AB| \parallel |DE|$
 $|AK| = |KF|$
 $|AD| = |BF| = 4$ cm
 $|FC| = 3$ cm
- Yukarıdaki verilere göre, $|DC|$ kaç cm dir?
- A) 6 B) 8 C) 10 D) 12 E) 14

YANITLAR

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