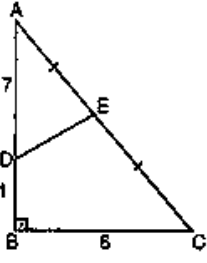
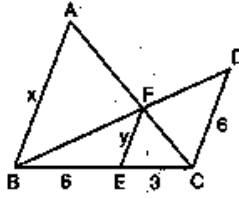
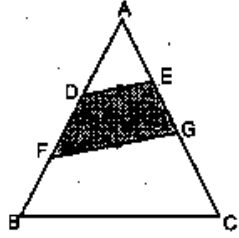
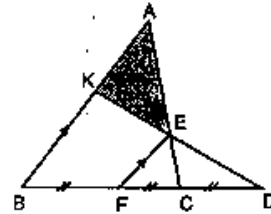


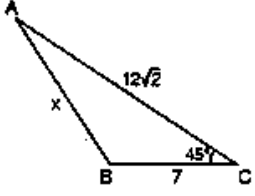
ÜÇGENLER GENEL TEKRAR TESTİ-2

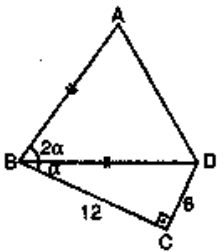
1.  ABC bir diküçgen
 $[AB] \perp [BC]$
 $|AE| = |EC|$
 $|BD| = 1$ cm
 $|BC| = 6$ cm
 $|AD| = 7$ cm
- Yukarıdaki verilere göre, $|DE|$ kaç cm dir?
- A) $5\sqrt{2}$ B) $4\sqrt{2}$ C) 5 D) $3\sqrt{2}$ E) 4

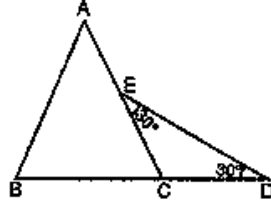
2.  $[AB] \parallel [FE] \parallel [DC]$
 $|BE| = 6$ cm
 $|EC| = 3$ cm
 $|DC| = 6$ cm
 $|AB| = x$
 $|FE| = y$
- Yukarıdaki verilere göre, $x + y$ toplamı kaç cm dir?
- A) 12 B) 16 C) 18 D) 20 E) 22

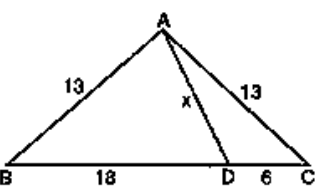
3.  ABC bir üçgen
 $[DE] \parallel [FG]$
 $|AD| = |DF| = |FB|$
 $|AG| = |GC|$
 $A(DFGE) = 12$ cm²
- Yukarıdaki verilere göre, $A(ABC)$ kaç cm² dir?
- A) 24 B) 32 C) 36 D) 44 E) 48

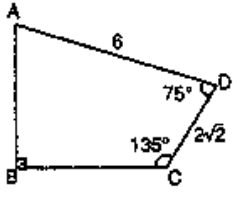
4.  ABC bir üçgen
 $[EF] \parallel [AB]$
 $|BF| = |FC| = |CD|$
 $A(ECK) = 6$ cm²
- Yukarıdaki verilere göre, $A(AEK)$ kaç cm² dir?
- A) 2 B) 3 C) 4 D) 6 E) 12

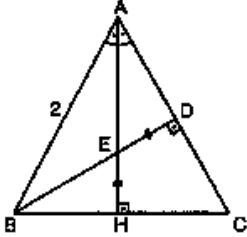
5.  ABC bir üçgen
 $m(\widehat{ACB}) = 45^\circ$
 $|BC| = 7$ cm
 $|AC| = 12\sqrt{2}$ cm
 $|AB| = x$
- Yukarıdaki verilere göre, $|AB| = x$ kaç cm dir?
- A) 13 B) 12 C) 10 D) 9 E) 5

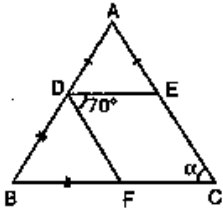
6.  $m(\widehat{ABD}) = 2m(\widehat{DBC})$
 $[BC] \perp [CD]$
 $|AB| = |BD|$
 $|DC| = 6$ cm
 $|BC| = 12$ cm
- Yukarıdaki verilere göre, ABCD dörtgeninin alanı kaç cm² dir?
- A) 72 B) 90 C) 96 D) 108 E) 144

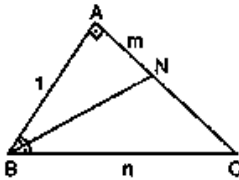
7.  ABC bir üçgen
A, C, D doğrusal
 $|AE| = 4$ cm
 $|ED| = 4\sqrt{3}$ cm
 $|BC| = 5$ cm
 $m(\widehat{CED}) = m(\widehat{EDB}) = 30^\circ$
- Yukarıdaki verilere göre, $|AB|$ kaç cm dir?
- A) 1 B) 2 C) 4 D) 5 E) 7

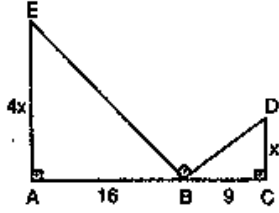
8.  ABC bir üçgen
 $|AB| = |AC| = 13$ cm
 $|BD| = 18$ cm
 $|DC| = 6$ cm
 $|AD| = x$
- Yukarıdaki verilere göre, $|AD| = x$ kaç cm dir?
- A) $\sqrt{33}$ B) $\sqrt{47}$ C) $2\sqrt{13}$ D) $\sqrt{53}$ E) $\sqrt{61}$

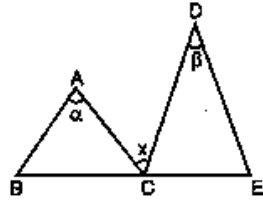
9.  ABCD bir dörtgen
 $[AB] \perp [BC]$
 $m(\widehat{ADC}) = 75^\circ$
 $m(\widehat{BCD}) = 135^\circ$
 $|AD| = 6 \text{ cm}$
 $|DC| = 2\sqrt{2} \text{ cm}$
 Yukarıdaki verilere göre, $|BC|$ kaç cm dir?
 A) $3\sqrt{3}$ B) $3\sqrt{2}$ C) $3\sqrt{3} - 2$ D) $\sqrt{3} + 1$ E) $2\sqrt{3} - 1$

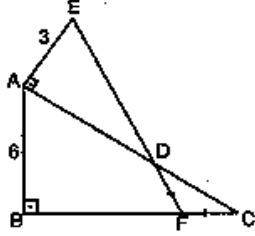
10.  ABC bir üçgen
 $[AH]$ yükseklik ve
 açıortay
 $[BD]$ yükseklik
 $|ED| = |EH|$
 $|AB| = 2 \text{ cm}$
 Yukarıdaki verilere göre, $|BC|$ kaç cm dir?
 A) 1 B) $\frac{3}{2}$ C) $\frac{5}{3}$ D) 2 E) 3

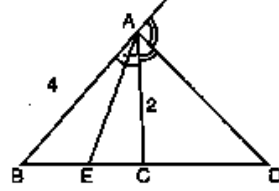
11.  ABC bir üçgen
 $|AD| = |AE|$
 $|BD| = |BF|$
 $m(\widehat{FDE}) = 70^\circ$
 $m(\widehat{ACB}) = \alpha$
 Yukarıdaki verilere göre, $m(\widehat{ACB}) = \alpha$ kaç derecedir?
 A) 60 B) 50 C) 45 D) 40 E) 30

12.  BAC bir diküçgen
 $[BN]$ iç açıortay
 $|AB| = 1 \text{ cm}$
 $|AN| = m$
 $|BC| = n$
 Şekilde verilene göre, n'nin m cinsinden değeri aşağıdakilerden hangisidir?
 A) $1 + m^2$ B) $1 - m^2$ C) $\frac{1+m}{1-m}$
 D) $\frac{1+m^2}{m}$ E) $\frac{1+m^2}{1-m^2}$

13.  $[EA] \perp [AC]$
 $[EB] \perp [BD]$
 $[DC] \perp [AC]$
 $|DC| = x$
 $|AE| = 4x$
 $|BC| = 9 \text{ cm}$
 $|AB| = 16 \text{ cm}$
 Yukarıdaki verilere göre, $|DC| = x$ kaç cm dir?
 A) 3 B) 4 C) 6 D) 8 E) 12

14.  ABC ve DCE
 ikizkenar üçgenler
 B, C, E doğrusal
 $|AB| = |AC|$
 $|DC| = |DE|$
 $\alpha + \beta = 110^\circ$
 $m(\widehat{ACD}) = x$
 Yukarıdaki verilere göre, $m(\widehat{ACD}) = x$ kaç derecedir?
 A) 55 B) 60 C) 65 D) 70 E) 75

15.  ABC bir diküçgen
 $[EA] \perp [AC]$
 $|DF| = |FC|$
 $|AB| = 6 \text{ cm}$
 $|BC| = 8 \text{ cm}$
 $|AE| = 3 \text{ cm}$
 Yukarıdaki verilere göre, $|DE|$ kaç cm dir?
 A) 4 B) 5 C) 6 D) 7 E) 8

16.  ABC bir üçgen
 $[AE]$ iç açıortay
 $[AD]$ dış açıortay
 $|AB| = 4 \text{ cm}$
 $|AC| = 2 \text{ cm}$
 Yukarıdaki verilere göre, $\frac{|DC|}{|EC|}$ oranı kaçtır?
 A) 2 B) 3 C) 4 D) 5 E) 6

YANITLAR

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