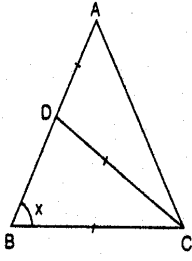


ÜÇGENDE AÇILAR TEST-1

1.

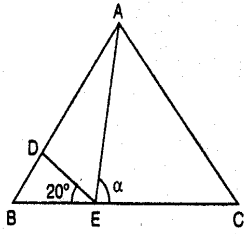


ABC bir ikizkenar üçgen
 $AB = AC$
 $AD = DC = BC$
 $m(\hat{A}BC) = x$

Yukarıdaki verilere göre, $m(\hat{A}BC) = x$ kaç derecedir?

- A) 60 B) 66 C) 72 D) 75 E) 80

2.

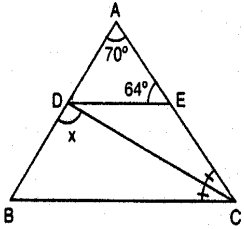


ABC bir eşkenar üçgen
 $AD = AE$
 $m(\hat{D}EB) = 20^\circ$
 $m(\hat{A}EC) = \alpha$

Yukarıdaki verilere göre, $m(\hat{A}EC) = \alpha$ kaç derecedir?

- A) 140 B) 120 C) 100 D) 80 E) 90

3.

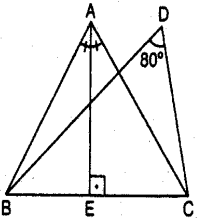


ABC bir üçgen
 $[CD]$ açıortay
 $[DE] \parallel [BC]$
 $m(\hat{A}ED) = 64^\circ$
 $m(\hat{D}AC) = 70^\circ$

Yukarıdaki verilere göre, $m(\hat{B}DC) = x$ kaç derecedir?

- A) 92 B) 100 C) 102 D) 112 E) 118

4.

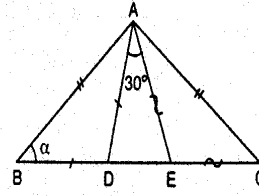


ABC ve DBC birer üçgen
 $[AE]$ açıortay
 $[AE] \perp [BC]$
 $m(\hat{B}DC) = 80^\circ$
 $m(\hat{A}CD) = 30^\circ$
 $m(\hat{A}CB) = 40^\circ$

Yukarıdaki verilere göre, DBA açısının ölçüsü kaç derecedir?

- A) 30 B) 25 C) 20 D) 15 E) 10

5.

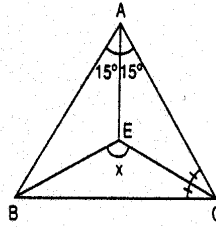


ABC bir ikizkenar üçgen
 $AB = AC$
 $BD = AD$
 $AE = EC$
 $m(\hat{D}AE) = 30^\circ$

Yukarıdaki verilere göre, $m(\hat{A}BD) = \alpha$ kaç derecedir?

- A) 22,5 B) 30 C) 35 D) 37,5 E) 45

6.

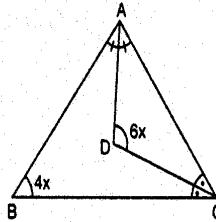


ABC bir üçgen
 $m(\hat{B}AE) = m(\hat{E}AC) = 15^\circ$
 $m(\hat{A}CE) = m(\hat{E}CB)$
 $m(\hat{B}EC) = x$

Yukarıdaki verilere göre, $m(\hat{B}EC) = x$ kaç derecedir?

- A) 105 B) 115 C) 120 D) 125 E) 130

7.

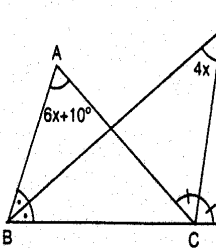


ABC bir üçgen
 $[AD]$ iç açıortay
 $[CD]$ iç açıortay
 $m(\hat{A}BC) = 4x$
 $m(\hat{A}DC) = 6x$

Yukarıdaki verilere göre, x kaç derecedir?

- A) 15 B) 18 C) 20 D) 22,5 E) 27,5

8.

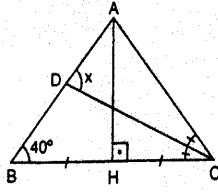


ABC bir üçgen
 $[BD]$ iç açıortay
 $[CD]$ dış açıortay
 $m(\hat{B}AC) = 6x + 10^\circ$
 $m(\hat{B}DC) = 4x$

Yukarıdaki verilere göre, BAC açısının ölçüsü kaç derecedir?

- A) 40 B) 45 C) 60 D) 75 E) 80

9.

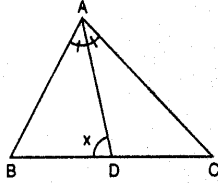


ABC bir üçgen
[CD] iç açıortay
[AH] \perp [BC]
IBHI = IHCI
 $m(\widehat{ABC}) = 40^\circ$

Yukarıdaki verilere göre, $m(\widehat{ADC}) = x$ kaç derecedir?

- A) 45 B) 60 C) 70 D) 90 E) 100

10.

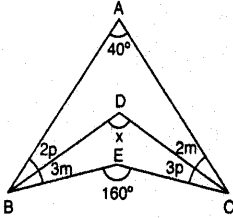


Şekilde
 $m(\widehat{B}) - m(\widehat{C}) = 40^\circ$
 $m(\widehat{ADB}) = x$

Yukarıdaki verilere göre, $m(\widehat{ADB}) = x$ kaç derecedir?

- A) 40 B) 50 C) 60 D) 65 E) 70

11.

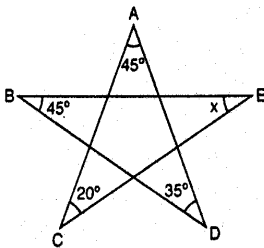


Şekilde
 $m(\widehat{ABD}) = 2p$
 $m(\widehat{DCE}) = 3p$
 $m(\widehat{DBE}) = 3m$
 $m(\widehat{ACD}) = 2m$
 $m(\widehat{BAC}) = 40^\circ$
 $m(\widehat{BEC}) = 160^\circ$

Yukarıdaki verilere göre, $m(\widehat{BDC}) = x$ kaç derecedir?

- A) 88 B) 98 C) 104 D) 116 E) 120

12.

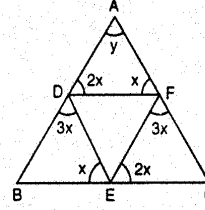


Şekilde
 $m(\widehat{CAD}) = 45^\circ$
 $m(\widehat{DBE}) = 45^\circ$
 $m(\widehat{ACE}) = 20^\circ$
 $m(\widehat{ADB}) = 35^\circ$
 $m(\widehat{BEC}) = x$

Yukarıdaki verilere göre, $m(\widehat{BEC}) = x$ kaç derecedir?

- A) 35 B) 45 C) 50 D) 55 E) 60

13.

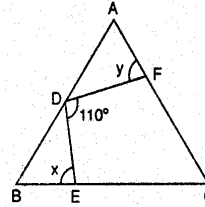


ABC ve DEF birer üçgen
 $m(\widehat{DEB}) = m(\widehat{AFD}) = x$
 $m(\widehat{BDE}) = m(\widehat{EFC}) = 3x$
 $m(\widehat{ADF}) = m(\widehat{FEC}) = 2x$
 $m(\widehat{BAC}) = y$

Yukarıdaki verilere göre, $m(\widehat{BAC}) = y$ kaç derecedir?

- A) 30 B) 45 C) 60 D) 90 E) 105

14.

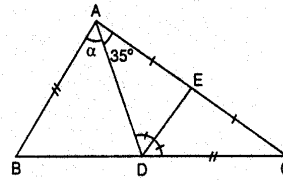


ABC bir eşkenar üçgen
 $m(\widehat{EDF}) = 110^\circ$
 $m(\widehat{DEB}) = x$
 $m(\widehat{AFD}) = y$

Yukarıdaki verilere göre, $x + y$ toplamı kaç derecedir?

- A) 190 B) 170 C) 150 D) 120 E) 110

15.

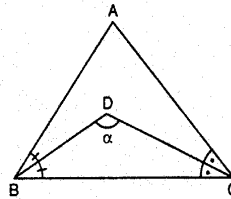


ABC bir üçgen
[DE] açıortay
IABI = IDCI
IAEI = IECI
 $m(\widehat{DAC}) = 35^\circ$

Yukarıdaki verilere göre, $m(\widehat{BAD}) = \alpha$ kaç derecedir?

- A) 60 B) 50 C) 40 D) 35 E) 30

16.



ABC bir üçgen
[BD] ve [CD] iç açıortay
 $m(\widehat{BDC}) = \alpha$

Yukarıdaki verilere göre, $m(\widehat{BDC}) = \alpha$ aşağıdakilerden hangisi olabilir?

- A) 45 B) 60 C) 75 D) 90 E) 120

YANITLAR

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