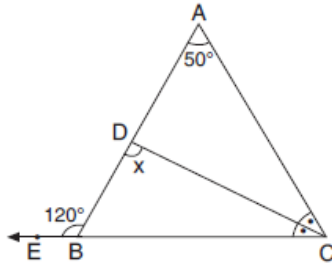


1.

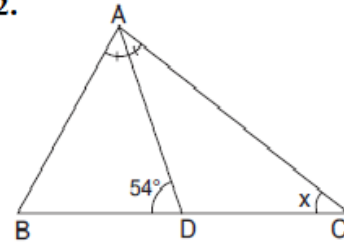


ABC bir üçgen  
 $m(\widehat{ECD}) = m(\widehat{ACD})$   
 $m(\widehat{BAC}) = 50^\circ$   
 $m(\widehat{EBA}) = 120^\circ$

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

- A) 80 B) 85 C) 90 D) 95 E) 100

2.

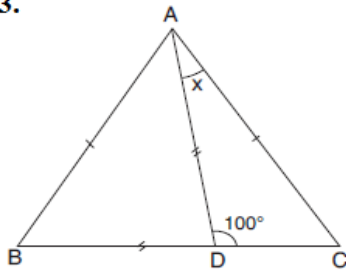


ABC bir üçgen  
[AD] açıortay  
 $m(\widehat{ADB}) = 54^\circ$   
 $|AC| = |BC|$

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

- A) 12 B) 18 C) 24 D) 27 E) 36

3.

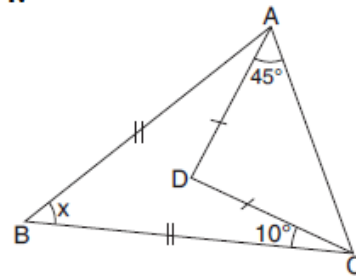


ABC bir üçgen  
 $|AB| = |AC|$   
 $|AD| = |BD|$   
 $m(\widehat{ADC}) = 100^\circ$

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

- A) 60 B) 50 C) 40 D) 30 E) 20

4.

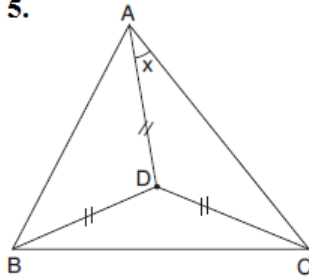


ABC bir üçgen  
 $|AB| = |BC|$   
 $|AD| = |DC|$   
 $m(\widehat{DAC}) = 45^\circ$   
 $m(\widehat{BCD}) = 10^\circ$   
 $m(\widehat{ABC}) = x$

Yukarıdaki verilere göre,  $x$  kaç derecedir?

- A) 20 B) 35 C) 40 D) 55 E) 70

5.

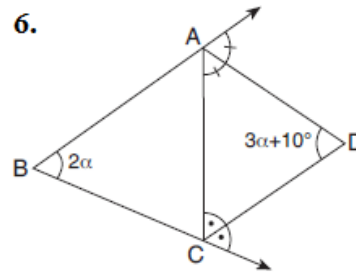


ABC bir üçgen  
 $|AD| = |BD| = |DC|$   
 $m(\widehat{ABC}) = 85^\circ$   
 $m(\widehat{DAC}) = x$

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

- A) 5 B) 10 C) 15 D) 20 E) 25

6.

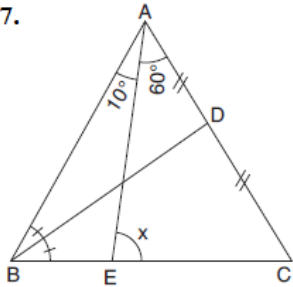


[AD] ve [CD]  
ABC üçgeninin  
dış açıortayları  
 $m(\widehat{ABC}) = 2\alpha$   
 $m(\widehat{ADC}) = 3\alpha + 10^\circ$

Yukarıdaki verilere göre, ABC açısının ölçüsü kaç derecedir?

- A) 20 B) 30 C) 40 D) 70 E) 80

7.

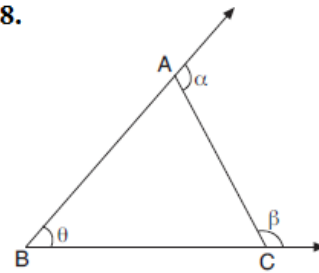


ABC bir üçgen  
 $|AD| = |DC|$   
 $m(\widehat{ABD}) = m(\widehat{DBC})$   
 $m(\widehat{BAE}) = 10^\circ$   
 $m(\widehat{EAC}) = 60^\circ$

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

- A) 20 B) 30 C) 40 D) 50 E) 60

8.

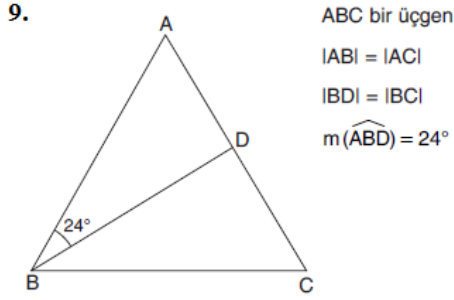


$\alpha + \beta + \theta = 250^\circ$

Şekildeki  $\alpha$  ve  $\beta$  açıları, ABC üçgeninin dış açılarıdır.

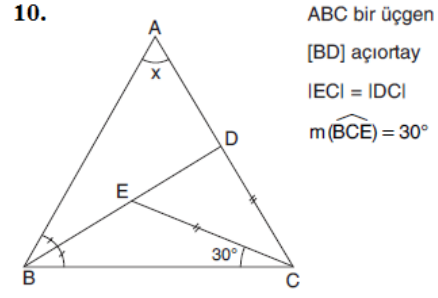
Buna göre,  $m(\widehat{ABC}) = \theta$  kaç derecedir?

- A) 30 B) 35 C) 40 D) 50 E) 55



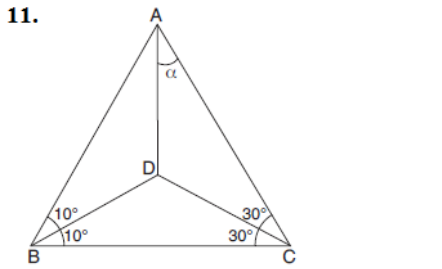
Yukarıdaki verilere göre,  $\widehat{BAC}$  açısının ölçüsü kaç derecedir?

- A) 36 B) 44 C) 48 D) 54 E) 72

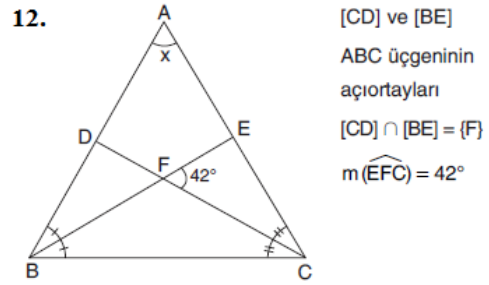


Yukarıdaki verilere göre,  $\widehat{BAC} = x$  kaç derecedir?

- A) 30 B) 40 C) 50 D) 60 E) 70

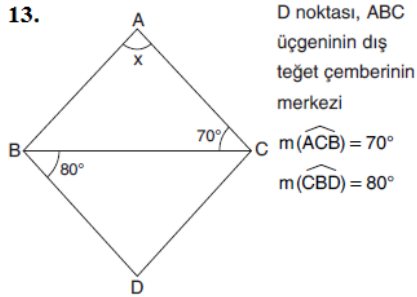


- A) 25 B) 30 C) 35 D) 40 E) 50



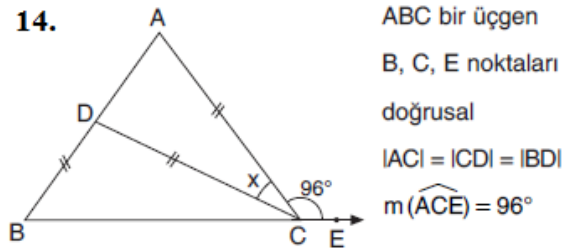
Yukarıdaki verilere göre,  $\widehat{BAC} = x$  kaç derecedir?

- A) 66 B) 84 C) 96 D) 112 E) 118



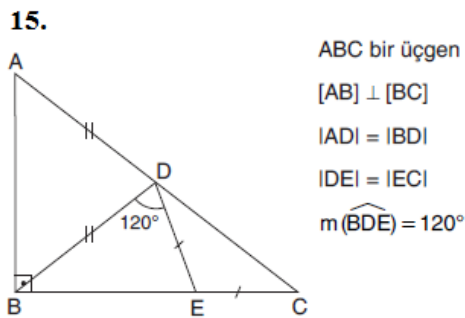
Yukarıdaki verilere göre,  $\widehat{BAC} = x$  kaç derecedir?

- A) 90 B) 100 C) 110 D) 120 E) 130



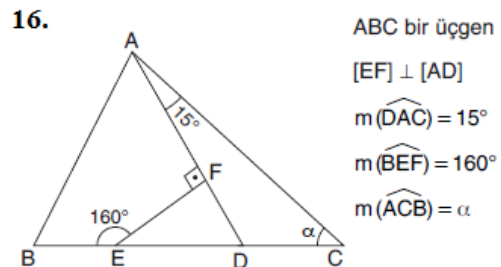
Yukarıdaki verilere göre,  $\widehat{ACD} = x$  kaç derecedir?

- A) 64 B) 52 C) 44 D) 36 E) 32



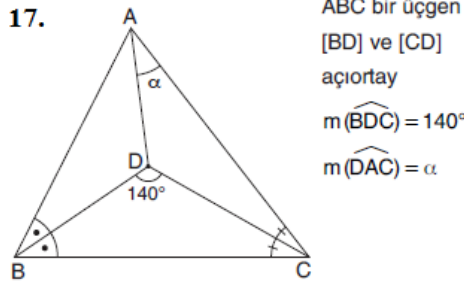
Yukarıdaki verilere göre,  $\widehat{BAC}$  kaç derecedir?

- A) 20 B) 30 C) 50 D) 70 E) 80



Yukarıdaki verilere göre,  $\widehat{ACB} = \alpha$  kaç derecedir?

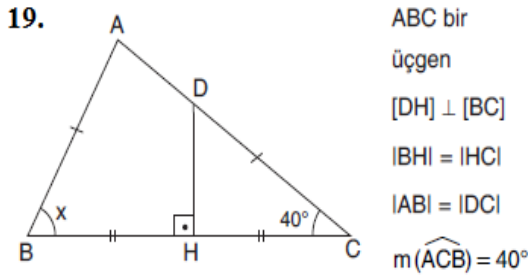
- A) 15 B) 25 C) 35 D) 45 E) 55



ABC bir üçgen  
[BD] ve [CD]  
açıortay  
 $m(\widehat{BDC}) = 140^\circ$   
 $m(\widehat{DAC}) = \alpha$

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

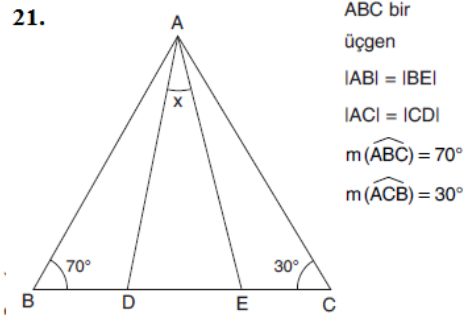
- A) 10 B) 20 C) 30 D) 40 E) 50



ABC bir  
üçgen  
[DH]  $\perp$  [BC]  
|BH| = |HC|  
|AB| = |DC|  
 $m(\widehat{ACB}) = 40^\circ$

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

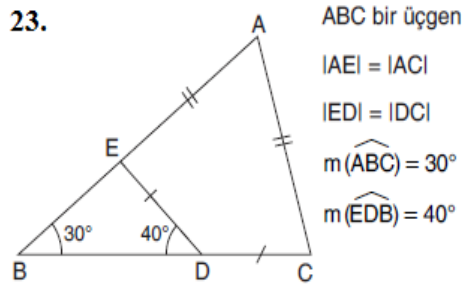
- A) 40 B) 50 C) 60 D) 70 E) 80



ABC bir  
üçgen  
|AB| = |BE|  
|AC| = |CE|  
 $m(\widehat{ABC}) = 70^\circ$   
 $m(\widehat{ACB}) = 30^\circ$

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

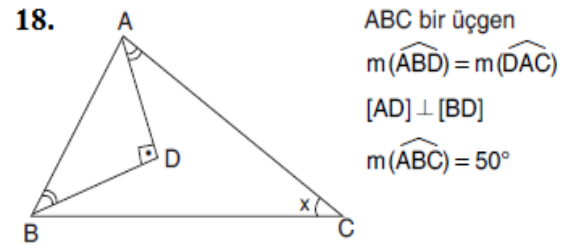
- A) 40 B) 45 C) 50 D) 55 E) 65



ABC bir üçgen  
|AE| = |AC|  
|ED| = |DC|  
 $m(\widehat{ABC}) = 30^\circ$   
 $m(\widehat{EDB}) = 40^\circ$

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

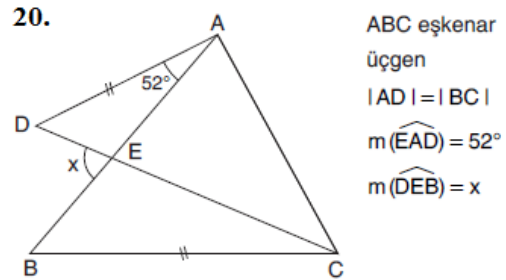
- A) 70 B) 80 C) 90 D) 95 E) 100



ABC bir üçgen  
 $m(\widehat{ABD}) = m(\widehat{DAC})$   
[AD]  $\perp$  [BD]  
 $m(\widehat{ABC}) = 50^\circ$

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

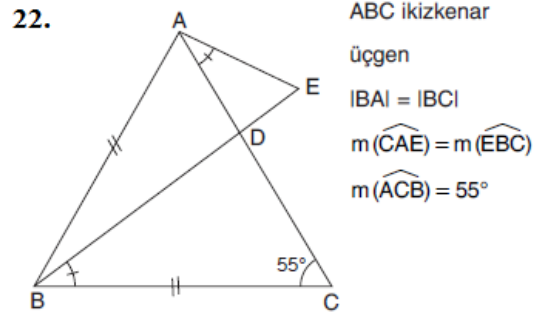
- A) 10 B) 20 C) 30 D) 40 E) 50



ABC eşkenar  
üçgen  
|AD| = |BC|  
 $m(\widehat{EAD}) = 52^\circ$   
 $m(\widehat{DEB}) = x$

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

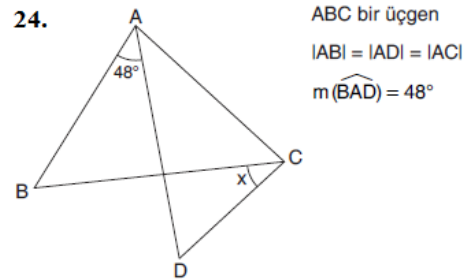
- A) 86 B) 84 C) 82 D) 80 E) 7



ABC ikizkenar  
üçgen  
|BA| = |BC|  
 $m(\widehat{CAE}) = m(\widehat{EBC})$   
 $m(\widehat{ACB}) = 55^\circ$

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

- A) 50 B) 55 C) 60 D) 65 E) 70

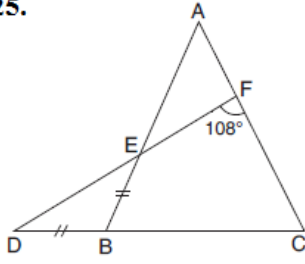


ABC bir üçgen  
|AB| = |AD| = |AC|  
 $m(\widehat{BAD}) = 48^\circ$

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

- A) 24 B) 28 C) 32 D) 36 E) 48

25.

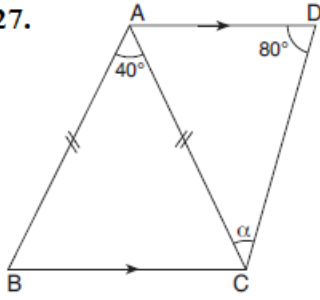


ABC bir üçgen  
D, B, C noktaları  
doğrusal  
 $|AB| = |AC|$   
 $|BE| = |EC|$   
 $m(\widehat{DFC}) = 108^\circ$

Yukarıdaki verilere göre,  $\widehat{BAC}$  açısının ölçüsü kaç derecedir?

- A) 48 B) 54 C) 72 D) 84 E) 96

27.

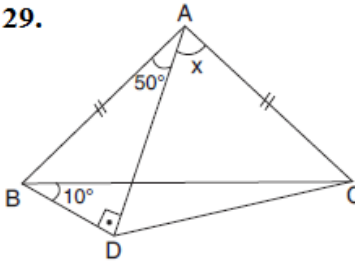


ABC bir üçgen  
 $[AD] \parallel [BC]$   
 $|AB| = |AC|$   
 $m(\widehat{BAC}) = 40^\circ$   
 $m(\widehat{ADC}) = 80^\circ$   
 $m(\widehat{ACD}) = \alpha$

Yukarıdaki verilere göre,  $\alpha$  kaç derecedir?

- A) 20 B) 30 C) 36 D) 40 E) 46

29.

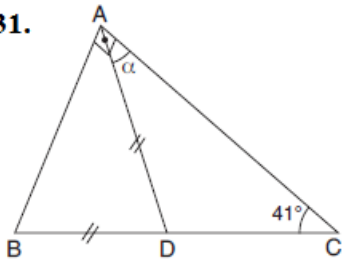


ABC bir üçgen  
 $[AD] \perp [BC]$   
 $|AB| = |AC|$   
 $m(\widehat{BAD}) = 50^\circ$   
 $m(\widehat{CBD}) = 10^\circ$   
 $m(\widehat{DAC}) = x$

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

- A) 50 B) 60 C) 70 D) 80 E) 90

31.

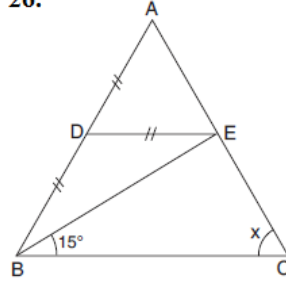


ABC bir üçgen  
 $[AB] \perp [AC]$   
 $|AD| = |BD|$   
 $m(\widehat{ACB}) = 41^\circ$

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

- A) 21 B) 41 C) 51 D) 49 E) 59

26.

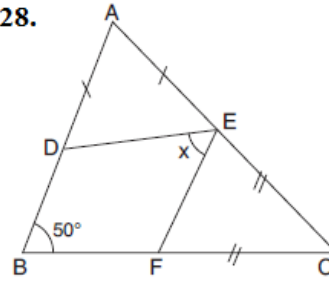


ABC bir üçgen  
 $|AD| = |BE| = |EC|$   
 $m(\widehat{EBC}) = 15^\circ$

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

- A) 35 B) 40 C) 45 D) 60 E) 75

28.

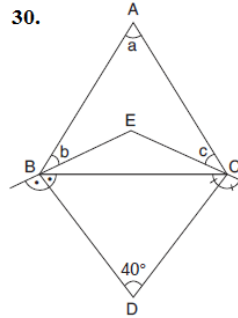


ABC bir üçgen  
 $|AD| = |AE|$   
 $|EC| = |CF|$   
 $m(\widehat{ABC}) = 50^\circ$

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

- A) 50 B) 65 C) 70 D) 75 E) 80

30.

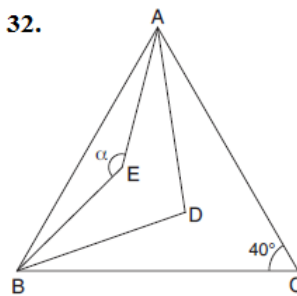


ABC bir üçgen  
 $[BD] \perp [CD]$   
açıortay  
 $m(\widehat{BDC}) = 40^\circ$

Yukarıdaki verilere göre,  $a + b + c$  toplamı kaç derecedir?

- A) 75 B) 80 C) 90 D) 100 E) 110

32.

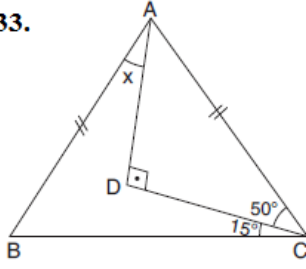


D; ABC üçgeninin  
E; ADB üçgeninin  
iç teğet çemberinin  
merkezi  
 $m(\widehat{ACB}) = 40^\circ$

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

- A) 135 B) 140 C) 145 D) 150 E) 155

33.

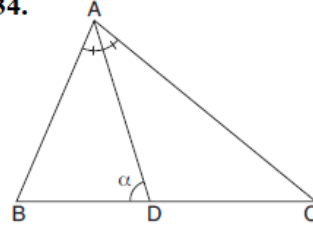


ABC bir üçgen  
 $[AD] \perp [DC]$   
 $|AB| = |AC|$   
 $m(\widehat{ACD}) = 50^\circ$   
 $m(\widehat{DCB}) = 15^\circ$

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

- A) 15 B) 12,5 C) 10 D) 7,5 E) 5

34.



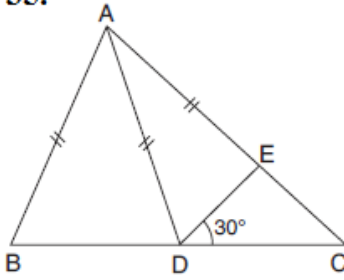
ABC bir üçgen  
 $[AD]$  açıortay

$$m(\widehat{ABC}) - m(\widehat{ACB}) = 50^\circ$$

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

- A) 50 B) 55 C) 60 D) 65 E) 70

35.

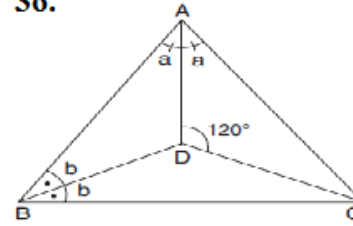


ABC bir üçgen  
 $|AB| = |AD| = |AE|$   
 $m(\widehat{EDC}) = 30^\circ$

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

- A) 60 B) 75 C) 90 D) 120 E) 150

36.

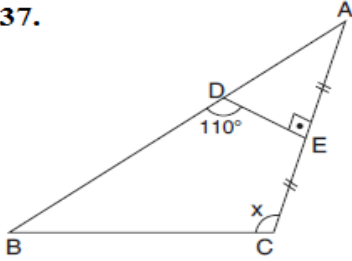


Şekilde ABC bir üçgen,  $m(\widehat{ADC}) = 120^\circ$ ,  
 $m(\widehat{BAD}) = m(\widehat{CAD}) = a$  ve  $m(\widehat{ABD}) = m(\widehat{CBD}) = b$

Buna göre,  $b$  kaç derecedir?

- A) 10 B) 20 C) 30 D) 40 E) 50

37.

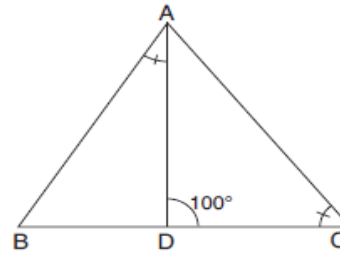


ABC bir üçgen  
 $[DE] \perp [AC]$   
 $|AE| = |EC|$   
 $|AD| = |BC|$   
 $m(\widehat{BDE}) = 110^\circ$

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

- A) 60 B) 80 C) 100 D) 120 E) 140

38.

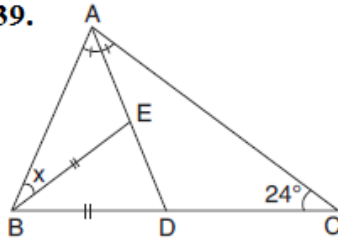


ABC bir üçgen  
 $m(\widehat{BAD}) = m(\widehat{ACB})$   
 $m(\widehat{ADC}) = 100^\circ$

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

- A) 80 B) 90 C) 100 D) 110 E) 120

39.

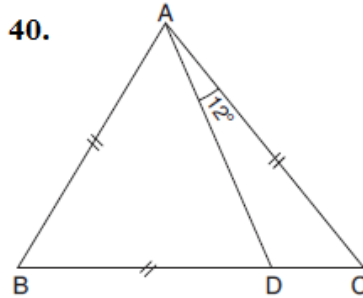


ABC bir üçgen  
 $m(\widehat{BAD}) = m(\widehat{DAC})$   
 $|BD| = |BE|$   
 $m(\widehat{ACD}) = 24^\circ$

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

- A) 16 B) 18 C) 21 D) 24 E) 36

40.

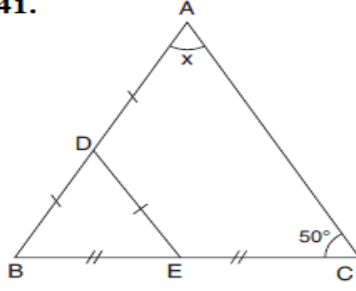


ABC bir üçgen  
 $|AB| = |BD| = |AC|$   
 $m(\widehat{DAC}) = 12^\circ$

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

- A) 68 B) 76 C) 84 D) 96 E) 104

41.

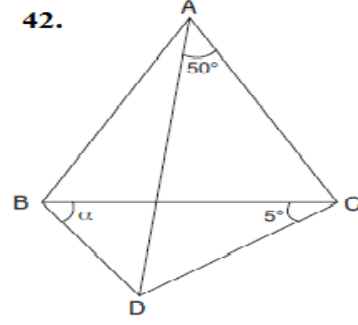


ABC bir üçgen  
 $|BE| = |EC|$   
 $|AD| = |BD| = |CE|$   
 $m(\widehat{ACB}) = 50^\circ$

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

- A) 40 B) 50 C) 60 D) 70 E) 80

42.

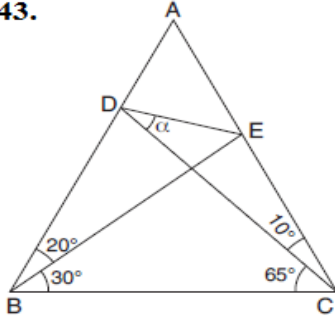


ABC eşkenar  
 üçgen  
 $m(\widehat{DAC}) = 50^\circ$   
 $m(\widehat{CBD}) = 5^\circ$

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

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

43.

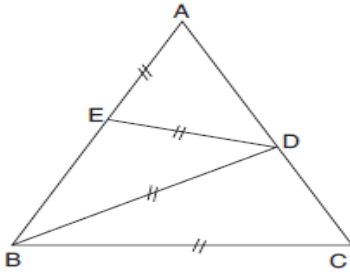


ABC bir üçgen  
 $m(\widehat{ABE}) = 20^\circ$   
 $m(\widehat{ACD}) = 10^\circ$   
 $m(\widehat{EBC}) = 30^\circ$   
 $m(\widehat{DCB}) = 65^\circ$   
 $m(\widehat{EDC}) = \alpha$

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

- A) 5 B) 10 C) 15 D) 20 E) 25

45.

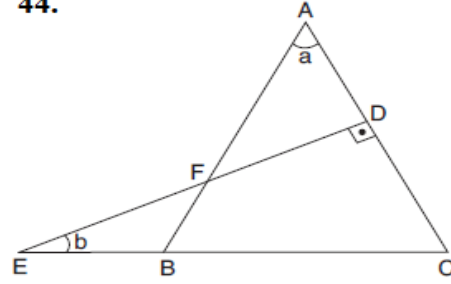


ABC bir üçgen  
 $|AB| = |AC|$

$|AE| = |ED| = |BD| = |DC|$   
 Yukarıdaki verilere göre,  $\frac{m(\widehat{ABC})}{m(\widehat{BAC})}$  oranı kaçtır?

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

44.

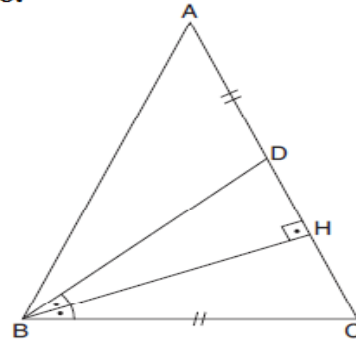


Şekilde ABC bir üçgen,  $[ED] \perp [AC]$ ,  $|AB| = |AC|$ ,  
 $m(\widehat{BAC}) = a$ ,  $m(\widehat{CED}) = b$  ve  $a + b = 63$  dir.

Buna göre,  $m(\widehat{DEC}) = b$  kaç derecedir?

- A) 19 B) 20 C) 21 D) 22 E) 23

46.

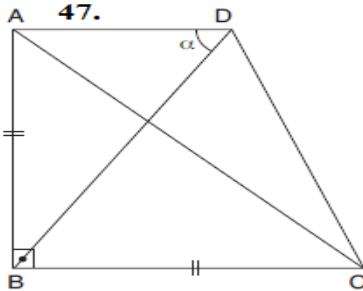


ABC bir üçgen  
 $[HB] \perp [AC]$   
 $|AB| = |AC|$   
 $|AD| = |BC|$   
 $m(\widehat{DBH}) = m(\widehat{CBH})$

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

- A) 18 B) 24 C) 26 D) 36 E) 42

47.

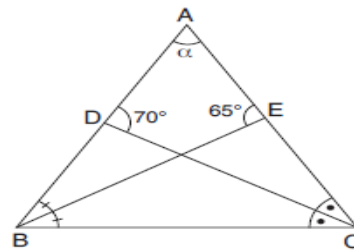


BDC eşkenar  
 üçgen  
 ABC bir üçgen  
 $[AB] \perp [BC]$   
 $|AB| = |BC|$   
 $m(\widehat{ADB}) = \alpha$

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

- A) 30 B) 45 C) 60 D) 67,5 E) 75

48.

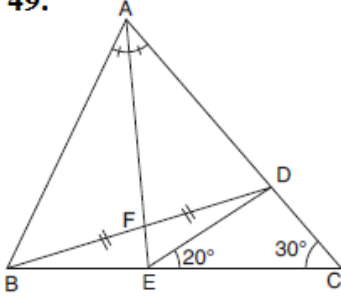


ABC bir üçgen  
 $[BE]$  ve  $[CD]$  açı-  
 ortay  
 $m(\widehat{AEB}) = 65^\circ$   
 $m(\widehat{ADC}) = 70^\circ$   
 $m(\widehat{BAC}) = \alpha$

Yukarıdaki verilere göre,  $\alpha$  kaç derecedir?

- A) 70 B) 75 C) 90 D) 95 E) 100

49.

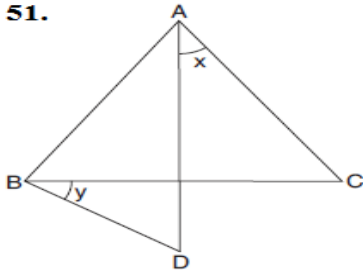


ABC bir üçgen  
[AE] açıortay  
 $|BF| = |FD|$   
 $m(\widehat{DEC}) = 20^\circ$   
 $m(\widehat{ACB}) = 30^\circ$

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

- A) 80 B) 90 C) 100 D) 110 E) 120

51.

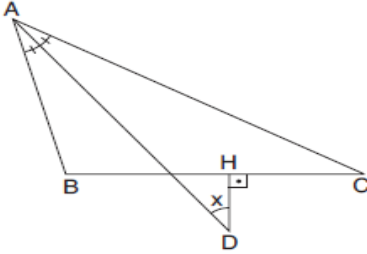


ABC ve ABD  
birer üçgen  
 $|AB| = |AD| = |AC|$   
 $m(\widehat{CBD}) = y$   
 $m(\widehat{DAC}) = x$

Yukarıdaki verilere göre,  $y$  nin  $x$  cinsinden değeri aşağıdakilerden hangisidir?

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

53.



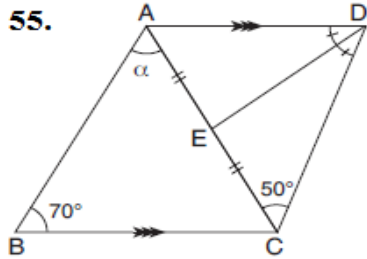
ABC bir üçgen  
[AD] açıortay  
[DH]  $\perp$  [BC]

$$m(\widehat{ABC}) = m(\widehat{ACB}) + 110^\circ, m(\widehat{ADH}) = x$$

Yukarıdaki verilere göre,  $x$  kaç derecedir?

- A) 25 B) 35 C) 45 D) 55 E) 65

55.

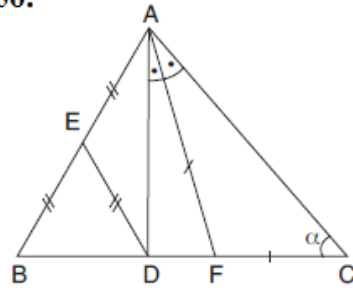


ABCD bir dörtgen  
[DE] açıortay  
[AD] // [BC]  
 $|AE| = |CE|$   
 $m(\widehat{ACD}) = 50^\circ$   
 $m(\widehat{ABC}) = 70^\circ$

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

- A) 40 B) 45 C) 50 D) 55 E) 60

50.

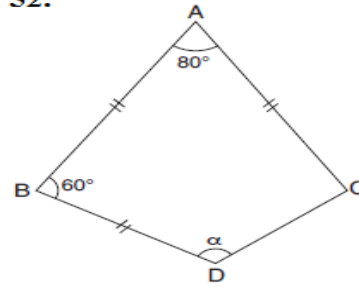


ABC bir üçgen  
[AF] açıortay  
 $|AE| = |ED| = |BE|$   
 $|AF| = |FC|$

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

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

52.

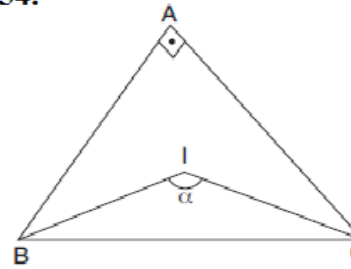


ABCD bir dörtgen  
 $|AB| = |BD| = |AC|$   
 $m(\widehat{ABD}) = 60^\circ$   
 $m(\widehat{BAC}) = 80^\circ$

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

- A) 130 B) 135 C) 140 D) 145 E) 150

54.

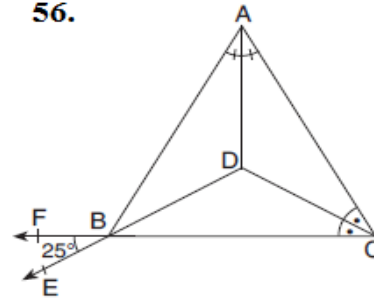


I noktası, ABC  
üçgeninin iç  
teğet  
çemberinin  
merkezi  
[AB]  $\perp$  [AC]  
 $m(\widehat{BIC}) = \alpha$

Yukarıdaki verilere göre,  $\alpha$  kaç derecedir?

- A) 105 B) 120 C) 135 D) 150 E) 160

56.

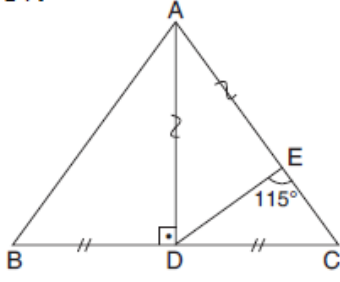


ABC bir üçgen  
[AD] ve [CD] iç  
açıortay  
[FC]  $\cap$  [DE] = {B}  
 $m(\widehat{EBF}) = 25^\circ$

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

- A) 105 B) 110 C) 115 D) 120 E) 125

57.

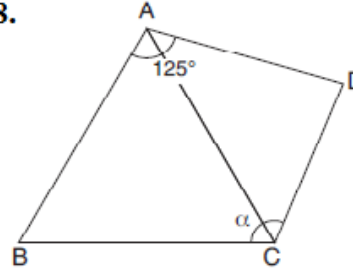


ABC bir üçgen  
 $[AD] \perp [BC]$   
 $|BD| = |CD|$   
 $|AD| = |AE|$   
 $m(\widehat{DEC}) = 115^\circ$

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

- A) 60 B) 55 C) 50 D) 45 E) 40

58.

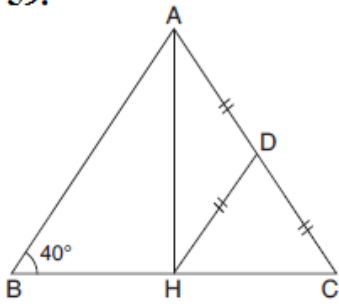


ABC eşkenar  
 üçgen  
 $|AB| = |CD|$   
 $m(\widehat{BAD}) = 125^\circ$

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

- A) 95 B) 100 C) 105 D) 110 E) 115

59.

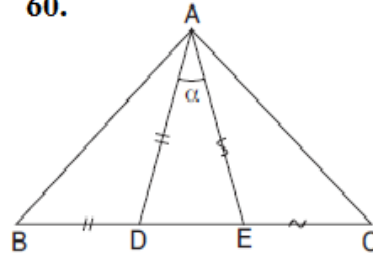


ABC bir üçgen  
 $|AD| = |CD| = |HD|$   
 $m(\widehat{ABC}) = 40^\circ$

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

- A) 50 B) 55 C) 60 D) 65 E) 70

60.

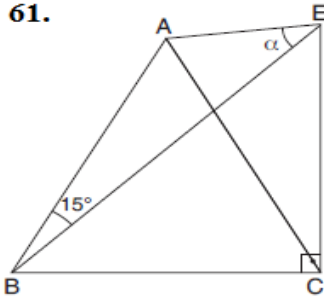


ABC bir üçgen  
 $|AD| = |BD|$   
 $|AE| = |CE|$   
 $m(\widehat{BAC}) = 125^\circ$

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

- A) 70 B) 65 C) 60 D) 55 E) 50

61.

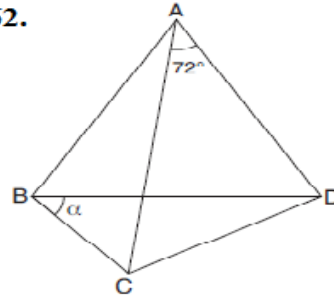


ABC eşkenar üçgen  
 $[EC] \perp [BC]$   
 $m(\widehat{ABE}) = 15^\circ$

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

- A) 15 B) 20 C) 30 D) 35 E) 40

62.

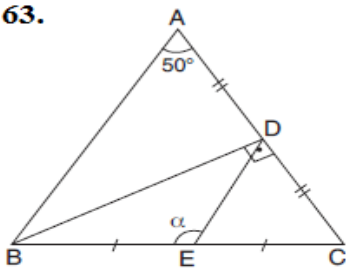


ABCD bir dörtgen  
 $|AB| = |AC| = |AD|$   
 $m(\widehat{CAD}) = 72^\circ$

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

- A) 72 B) 66 C) 54 D) 44 E) 36

63.

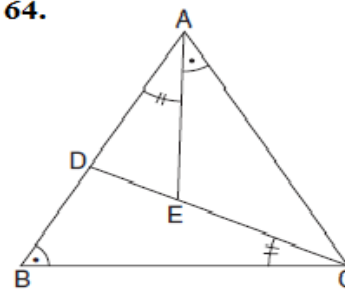


ABC bir üçgen  
 $[BD] \perp [AC]$   
 $|AD| = |DC|$   
 $|BE| = |EC|$   
 $m(\widehat{BAC}) = 50^\circ$

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

- A) 80 B) 90 C) 100 D) 110 E) 120

64.



ABC bir üçgen  
 $|AE| = |EC|$   
 $m(\widehat{BAE}) = m(\widehat{BCD})$   
 $m(\widehat{ABC}) = m(\widehat{EAC})$   
 $m(\widehat{ACB}) = 70^\circ$

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

- A) 40 B) 60 C) 80 D) 90 E) 100

| ÜÇGENDE AÇI TEST-2 |      |      |      |
|--------------------|------|------|------|
| 1 B                | 17 E | 33 C | 49 C |
| 2 A                | 18 D | 34 D | 50 E |
| 3 A                | 19 C | 35 A | 51 A |
| 4 E                | 20 A | 36 C | 52 C |
| 5 A                | 21 C | 37 D | 53 D |
| 6 C                | 22 B | 38 A | 54 C |
| 7 D                | 23 B | 39 D | 55 E |
| 8 B                | 24 A | 40 B | 56 C |
| 9 B                | 25 D | 41 E | 57 E |
| 10 A               | 26 E | 42 D | 58 D |
| 11 E               | 27 B | 43 C | 59 A |
| 12 C               | 28 B | 44 C | 60 A |
| 13 A               | 29 C | 45 A | 61 C |
| 14 B               | 30 D | 46 D | 62 E |
| 15 D               | 31 B | 47 E | 63 C |
| 16 E               | 32 C | 48 C | 64 C |