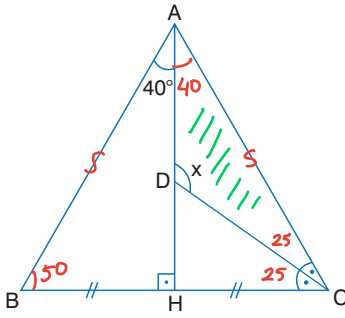


1.



ABC üçgen
 $[AH] \perp [BC]$
 $[CD]$ açıortay
 $|BH| = |HC|$
 $m(\widehat{BAH}) = 40^\circ$

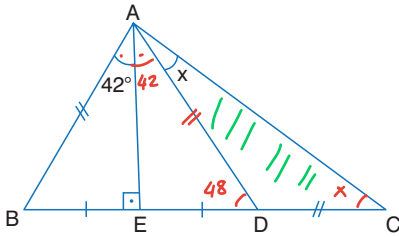
Yukarıdaki verilere göre, $m(\widehat{ADC}) = x$ kaç derecedir?

- A) 100 B) 105 C) 110 **D) 115** E) 120

$$x + 25 + 40 = 180$$

$$x = 115$$

2.



ABC üçgen
 $[AE] \perp [BC]$
 $m(\widehat{BAE}) = 42^\circ$
 $|AB| = |DC|$

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

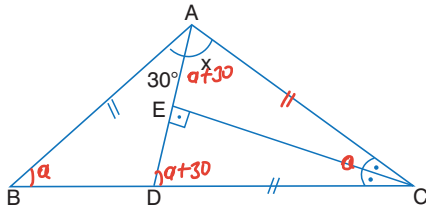
- A) 18 B) 21 **C) 24** D) 28 E) 30

$$2x = 48$$

$$x = 24$$

iki iç bir dış

3.



ABC üçgen
 $[CE] \perp [AD]$

$m(\widehat{ACE}) = m(\widehat{ECD})$
 $m(\widehat{BAD}) = 30^\circ$

$$3a + 60 = 180$$

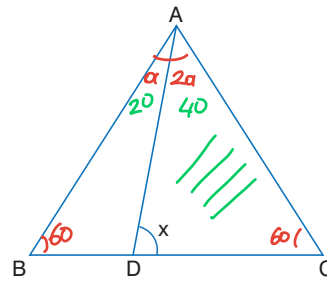
$$3a = 120 \quad a = 40$$

$$x = 70$$

Yukarıdaki şekilde $|AB| = |DC|$ olduğuna göre, $m(\widehat{DAC}) = x$ kaç derecedir?

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

4.



ABC eşkenar üçgen

$$m(\widehat{DAC}) = 2m(\widehat{BAD})$$

$$1) \quad 3a = 60$$

$$a = 20$$

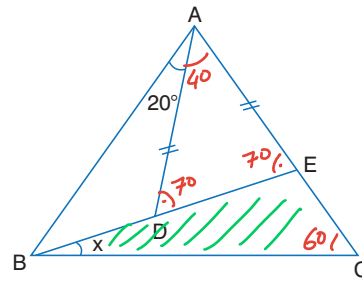
$$2) \quad x + 40 + 60 = 180$$

$$x = 80$$

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

- A) 60 B) 65 C) 70 D) 75 **E) 80**

5.



ABC eşkenar üçgen

$|AD| = |AE|$

$m(\widehat{BAD}) = 20^\circ$

$m(\widehat{EBC}) = x^\circ$

Yukarıdaki verilere göre, x kaçtır?

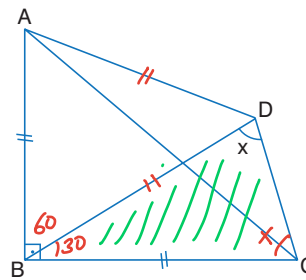
- A) 10** B) 15 C) 20 D) 25 E) 30

$$x + 60 = 70$$

$$x = 10$$

iki iç bir dış

6.



ABD eşkenar üçgen

ABC ikizkenar dik üçgen

$|AB| = |BC|$

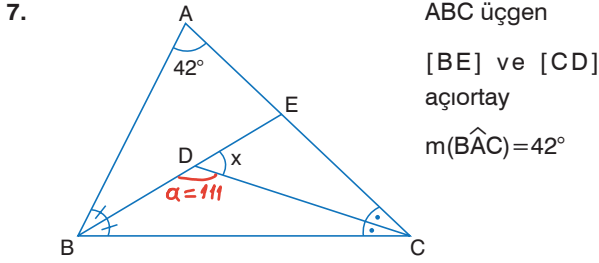
$$2x + 30 = 180$$

$$2x = 150$$

$$x = 75$$

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

- A) 65 B) 70 **C) 75** D) 80 E) 85

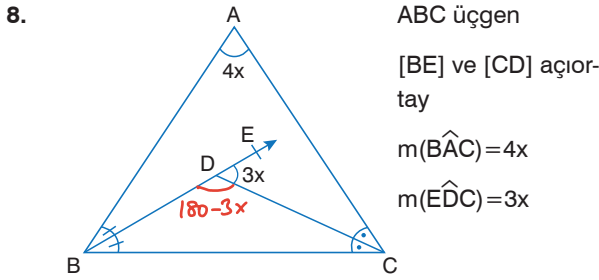


Yukarıdaki verilere göre, $m(\widehat{EDC}) = x$ kaçtır?

- A) 84 B) 69 C) 58 D) 54 E) 48

1) $a = 90 + \frac{A}{2}$
 $a = 90 + \frac{42}{2}$
 $a = 111$

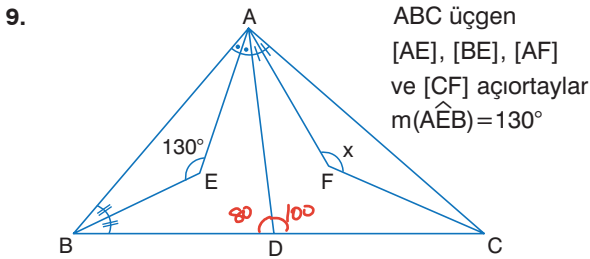
2) $a + x = 180$
 $111 + x = 180$
 $x = 69$



Yukarıdaki verilere göre, x kaçtır?

- A) 18 B) 20 C) 21 D) 28 E) 30

$180 - 3x = 90 + \frac{4x}{2}$
 $5x = 90$
 $x = 18$

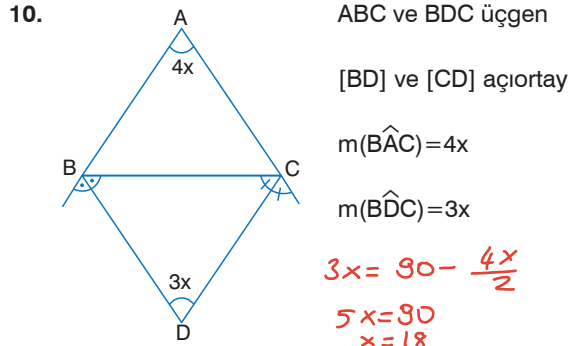


Yukarıdaki verilere göre, $m(\widehat{AFC}) = x$ kaç derecedir?

- A) 110 B) 120 C) 130 D) 140 E) 150

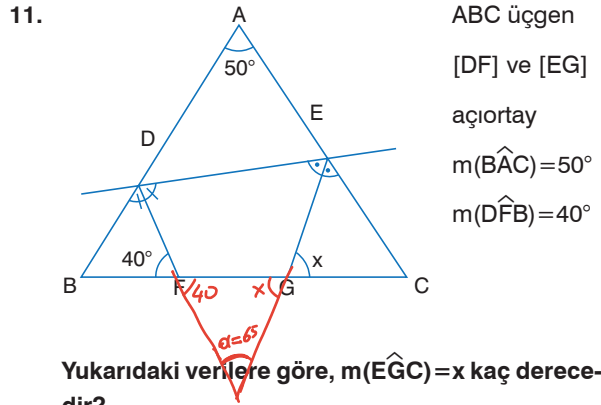
1) $130 = 90 + \frac{A}{2}$
 $A = 80$

2) $x = 90 + \frac{100}{2}$
 $x = 140$



Yukarıdaki verilere göre, x kaçtır?

- A) 12 B) 15 C) 18 D) 21 E) 24

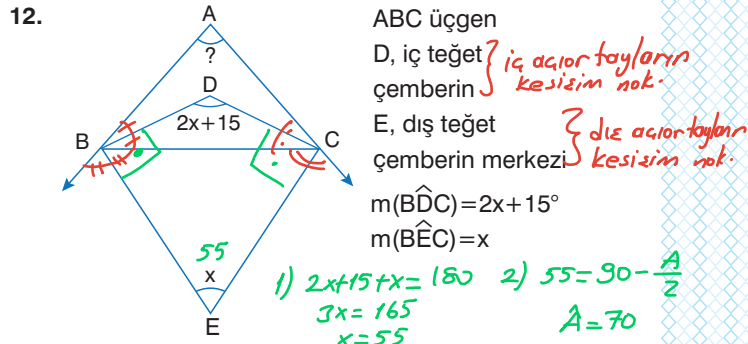


Yukarıdaki verilere göre, $m(\widehat{EGC}) = x$ kaç derecedir?

- A) 55 B) 60 C) 65 D) 70 E) 75

1) $a = 90 - \frac{50}{2}$
 $a = 65$

2) $40 + 65 + x = 180$
 $x = 75$



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

- A) 55 B) 60 C) 65 D) 70 E) 75