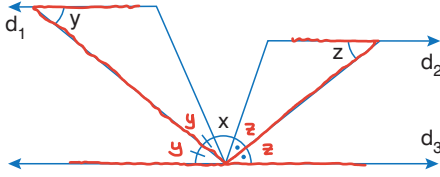


1.

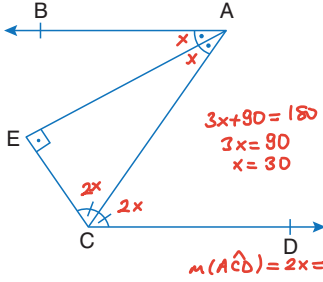


Yukarıdaki şekilde $d_1 \parallel d_2 \parallel d_3$ ve $y^\circ + z^\circ = 56^\circ$ olduğuna göre, x açısı kaç derecedir?

- A) 60 B) 64 C) 68 D) 72 E) 74

$$\begin{aligned} x + 2y + 2z &= 180 \\ 112 \\ x + 112 &= 180 \\ x &= 68 \end{aligned}$$

2.



[AB]//[CD]

[AE] ve [CA]

açıortay

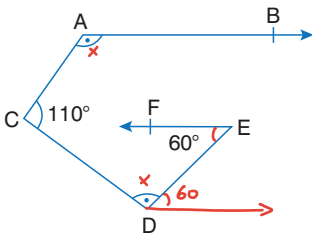
[AE] ⊥ [EC]

$$m(\widehat{ACD}) = 2x = 2 \cdot 30 = 60^\circ$$

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

- A) 45 B) 50 C) 54 D) 60 E) 72

3.



[AB]//[EF]

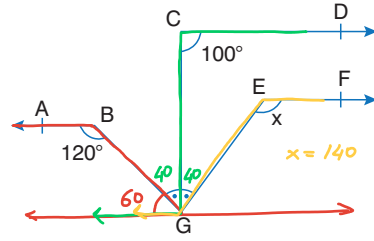
 $m(\widehat{ACD}) = 110^\circ$ $m(\widehat{FED}) = 60^\circ$ $m(\widehat{BAC}) = m(\widehat{CDE})$

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

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

$$\begin{aligned} x + 110 + x + 60 &= 360 \\ 2x &= 190 \\ x &= 95 \end{aligned}$$

4.



[BA]//[CD]//[EF]

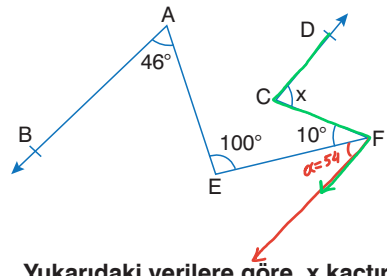
[CG], açıortay

 $m(\widehat{ABG}) = 120^\circ$ $m(\widehat{GCD}) = 100^\circ$

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

- A) 110 B) 100 C) 130 D) 140 E) 150

5.



[AB]//[CD]

 $m(\widehat{BAE}) = 46^\circ$ $m(\widehat{AEF}) = 100^\circ$ $m(\widehat{CFE}) = 10^\circ$ $m(\widehat{DCF}) = x$

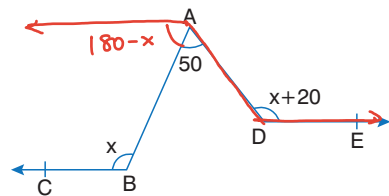
Yukarıdaki verilere göre, x kaçtır?

- A) 60 B) 64 C) 70 D) 72 E) 78

$$\begin{aligned} \text{M Kuralı} \\ 46 + \alpha &= 100 \\ \alpha &= 54 \end{aligned}$$

$$\begin{aligned} \text{Z Kuralından} \\ x &= 10 + 54 \\ x &= 64 \end{aligned}$$

6.

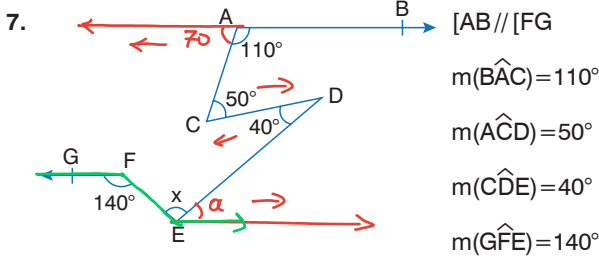


[BC]//[DE]

Yukarıda verilen açı ölçülerine göre, x kaçtır?

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

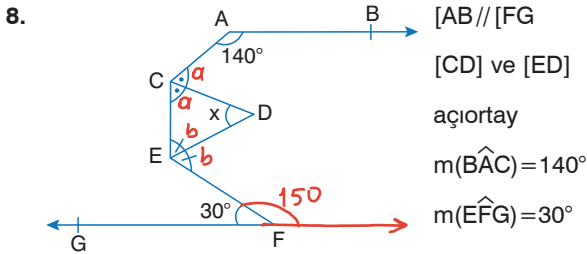
$$\begin{aligned} 2 \cdot 30 - x &= x + 20 \\ 2 \cdot 10 &= 2x \\ x &= 105 \end{aligned}$$



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

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

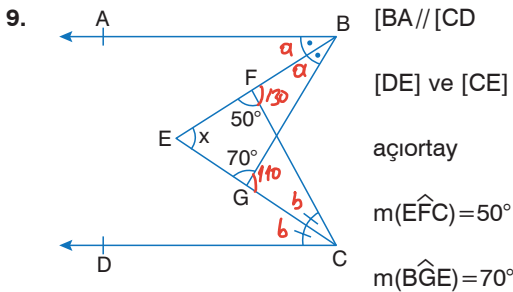
1) $70 + 40 = 50 + a$ 2) $\exists$ Kuralı
 $a = 60$
 $140 = a + x$
 $140 = 60 + x$
 $x = 80$



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

- A) 45 B) 50 **C) 55** D) 60 E) 65

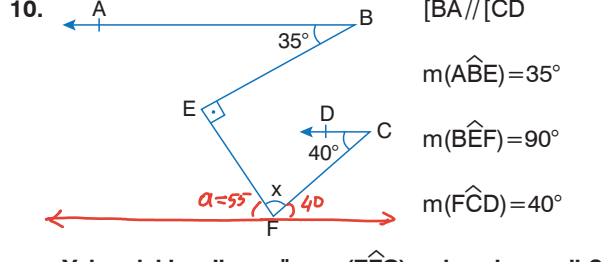
1) $140 + 150 + 2a + 2b = 540$ 2) $a + b + x = 180$
 290 $125 + x = 180$
 $a + b = 125$ $x = 55$



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

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

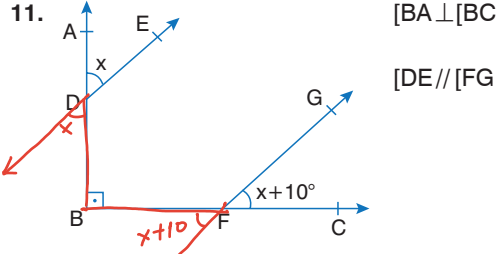
1) m Kuralı 2) m Kuralı 3) m Kuralı
 $a + 2b = 130$ $2a + b = 110$ $x = a + b$
 $a + 2b = 130$
 $+ 2a + b = 110$
 $3a + 3b = 240$
 $a + b = 80$
 $x = 80$



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

- A) 70 B) 75 C) 80 **D) 85** E) 90

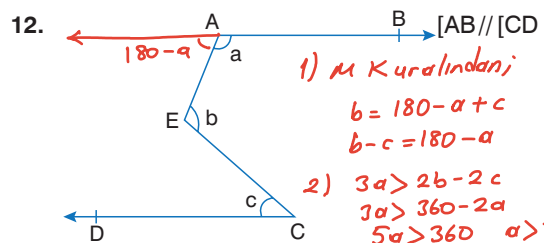
1) $30 = a + 35$ 2) $55 + 40 + x = 180$
 $a = 55$ $95 + x = 180$
 $x = 85$



Yukarıda verilen açı ölçülerine göre, x kaçtır?

- A) 35 **B) 40** C) 45 D) 50 E) 55

m Kuralından;
 $90 = x + x + 10$
 $2x = 80$
 $x = 40$



Yukarıda verilen açı ölçüleri arasında $3\widehat{a} > 2\widehat{b} - 2\widehat{c}$ bağıntısı var ise $\widehat{a}$ 'nın alabileceği en küçük tam sayı değeri kaç derecedir?

- A) 73** B) 68 C) 65 D) 61 E) 55