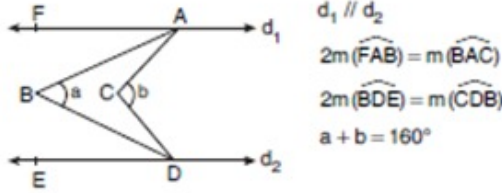


1.



$$d_1 \parallel d_2$$

$$2m(\widehat{FAB}) = m(\widehat{BAC})$$

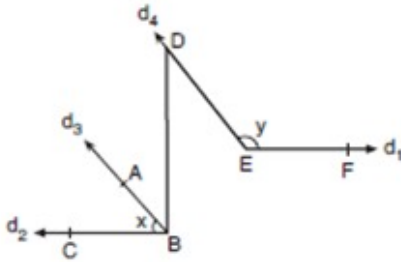
$$2m(\widehat{BDE}) = m(\widehat{CDB})$$

$$a + b = 160^\circ$$

Yukarıdaki verilere göre, a kaç derecedir?

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

2.

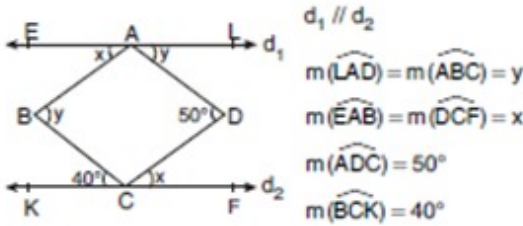


Şekilde $d_1 \parallel d_2, d_3 \parallel d_4$, $m(\widehat{ABC}) = x$ ve $m(\widehat{DEF}) = y$ dir.

Buna göre, $x + y$ toplamı kaç derecedir?

- A) 90 B) 100 C) 120 D) 160 E) 180

3.



$$d_1 \parallel d_2$$

$$m(\widehat{LAD}) = m(\widehat{ABC}) = y$$

$$m(\widehat{EAB}) = m(\widehat{DCF}) = x$$

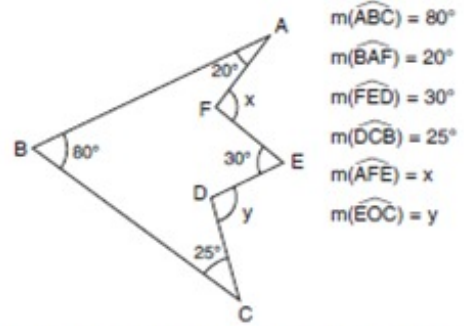
$$m(\widehat{ADC}) = 50^\circ$$

$$m(\widehat{BCK}) = 40^\circ$$

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

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

4.



$$m(\widehat{ABC}) = 80^\circ$$

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

$$m(\widehat{FED}) = 30^\circ$$

$$m(\widehat{DCB}) = 25^\circ$$

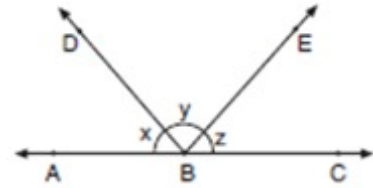
$$m(\widehat{AFE}) = x$$

$$m(\widehat{EOC}) = y$$

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

- A) 140 B) 145 C) 150 D) 155 E) 160

5.

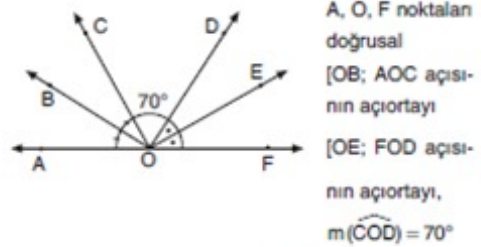


A, B, C noktaları doğrusal $m(\widehat{ABD}) = x$, $m(\widehat{DBE}) = y$, $m(\widehat{EBC}) = z$ ve $\frac{x}{3} = \frac{y}{4} = \frac{z}{5}$ dir.

Buna göre, z kaç derecedir?

- A) 36 B) 45 C) 60 D) 72 E) 75

6.

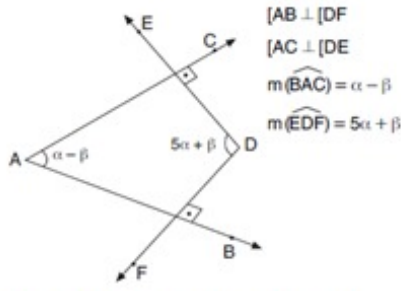


A, O, F noktaları doğrusal
[OB; AOC açısının açıortayı
[OE; FOD açısının açıortayı,
 $m(\widehat{COD}) = 70^\circ$

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

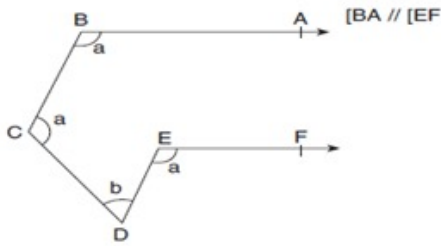
- A) 95 B) 105 C) 115 D) 125 E) 135

7.

Yukarıdaki verilere göre, α kaç derecedir?

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

8.

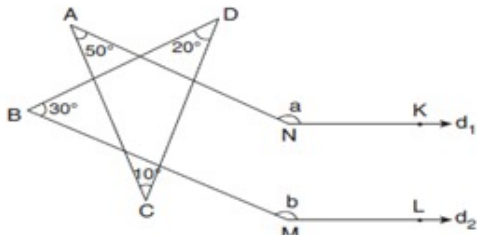


$$m(\widehat{B}) = m(\widehat{C}) = m(\widehat{E}) = a, m(\widehat{D}) = b$$

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

- A) 120 B) 150 C) 160 D) 175 E) 180

9.

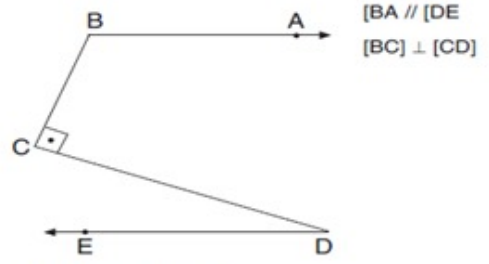


Şekilde $d_1 // d_2$, $m(\widehat{BDC}) = 20^\circ$, $m(\widehat{ACD}) = 10^\circ$,
 $m(\widehat{CAN}) = 50^\circ$, $m(\widehat{DBM}) = 30^\circ$, $m(\widehat{ANK}) = a$ ve
 $m(\widehat{BML}) = b$ dir.

Buna göre, $b - a$ farkı kaç derecedir?

- A) 40 B) 45 C) 50 D) 65 E) 70

10.

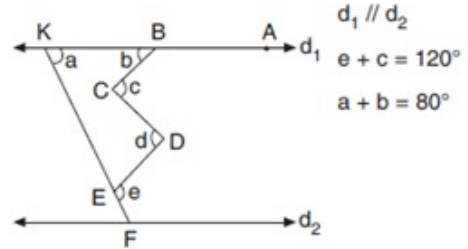


$$m(\widehat{ABC}) + m(\widehat{EDC}) = 180^\circ$$

Yukarıda verilenlere göre, ABC açısının ölçüsü kaç derecedir?

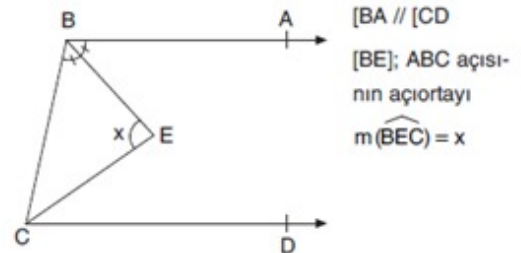
- A) 100 B) 120 C) 125 D) 135 E) 145

11.

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

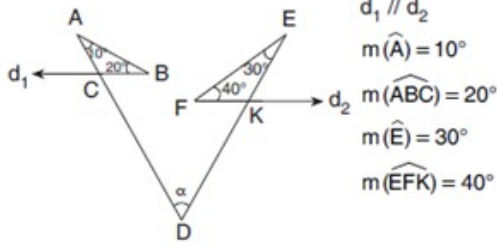
- A) 10 B) 20 C) 30 D) 40 E) 50

12.

Yukarıdaki şekilde, $m(\widehat{BCE}) > m(\widehat{ECD})$ olduğuna göre, x in alabileceği en büyük tam sayı değeri kaçtır?

- A) 59 B) 88 C) 89 D) 90 E) 178

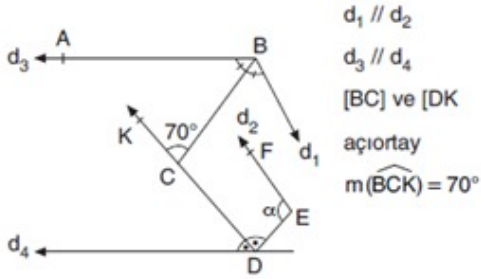
13.



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

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

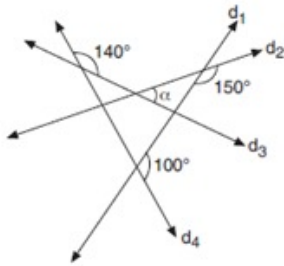
14.



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

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

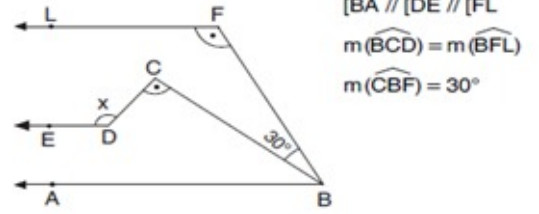
15.



Şekildeki verilere göre, α kaç derecedir?

- A) 15 B) 20 C) 25 D) 30 E) 40

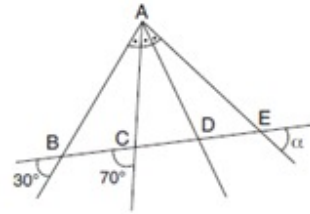
16.



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

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

17.

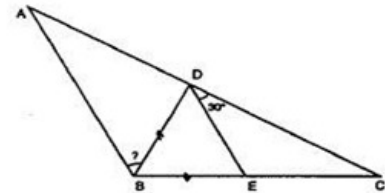


$$m(\widehat{BAC}) = m(\widehat{CAD}) = m(\widehat{DAE})$$

Şekildeki verilere göre α kaç derecedir?

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

18.



ΔABC üçgeninde $|AB| = |BC|$
 $|BD| = |BE|$ ve $m\widehat{EDC} = 30^\circ$ ise
 $m\widehat{ABD}$ kaç derecedir?

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