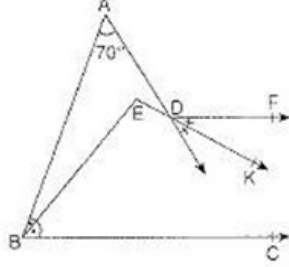


1.

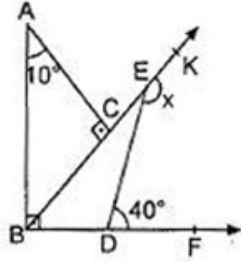
[DF // [BC
[DK ve [BE]
açıortay
 $m(\widehat{BAD}) = 70^\circ$ ise
 $m(\widehat{BED})$ kaç
derecedir?



A) 100 B) 110 C) 125 D) 130 E) 140

2.

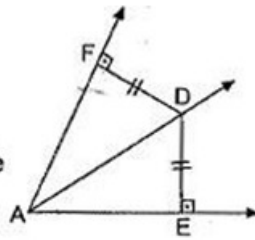
Şekilde;
[AB] \perp [BF]
[BK] \perp [AC]
 $m(\widehat{BAC}) = 10^\circ$
 $m(\widehat{EDF}) = 40^\circ$ ise
 $m(\widehat{DEK}) = x$ kaç
derecedir?



A) 100 B) 120 C) 130 D) 140 E) 150

3.

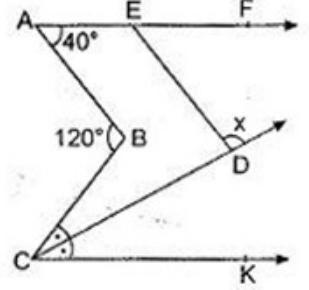
Şekilde;
[DF] \perp [AF]
[DE] = [AE]
 $m(\widehat{FAD}) = 3x - 30^\circ$
 $m(\widehat{ADE}) = 2x + 10^\circ$ ise
 $m(\widehat{FAE})$ kaç
derecedir?



A) 42 B) 48 C) 54 D) 66 E) 72

4.

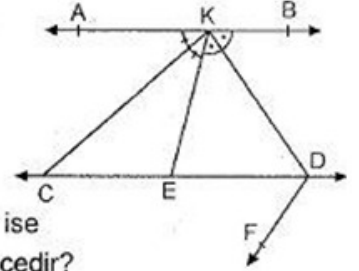
Şekilde;
[CD, açıortay
[AF // [CK
AB // DE
 $m(\widehat{ABC}) = 120^\circ$
 $m(\widehat{BAF}) = 40^\circ$ ise
x kaç
derecedir?



A) 80 B) 82 C) 100 D) 110 E) 120

5.

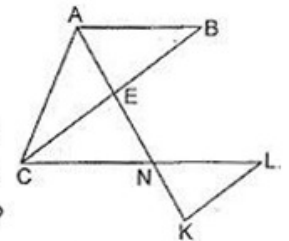
Şekilde;
AB // CD
[KC] // [DF ve
[KE] açıortay
 $m(\widehat{KCD}) = x + 10^\circ$
 $m(\widehat{CDF}) = 2x - 20^\circ$ ise
 $m(\widehat{KDC})$ kaç derecedir?



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

6.

Şekilde;
AB // CL
CB // KL
 $m(\widehat{BAK}) + m(\widehat{CLK}) = 90^\circ$
 $m(\widehat{ECA}) = 2m(\widehat{KAC})$ ise
 $m(\widehat{EAC})$ kaç derecedir?



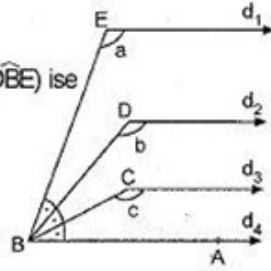
A) 10 B) 20 C) 25 D) 30 E) 45

7.

$$d_1 \parallel d_2 \parallel d_3 \parallel d_4$$

$$m(\widehat{ABC}) = m(\widehat{CBD}) = m(\widehat{DBE}) \text{ ise}$$

verilenlere göre
a, b, c arasındaki
bağıntı nedir?



A) $a + b - c = 180^\circ$ B) $a + c - b = 180^\circ$

C) $c = a + b$ D) $b = a - c$

E) $c + b - a = 180^\circ$

8.

Şekilde;

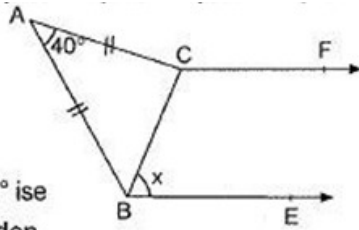
$$[CF \parallel BE$$

$$|BA| = |AC|$$

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

$$m(\widehat{ACF}) < 180^\circ \text{ ise}$$

x aşağıdakilerden
hangisi olabilir?



A) 79 B) 75 C) 72 D) 70 E) 69

9.

Şekilde;

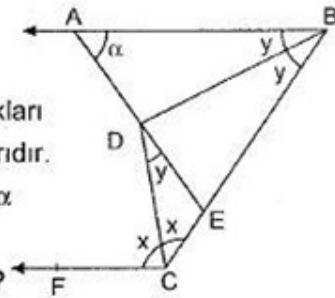
$$[BA \parallel [CF$$

$[CD, [DB$ buldukları
açıların açıortaylarıdır.

Verilenlere göre α

aşağıdakilerden

hangisine eşittir?



A) $x + y$ B) $2x - y$ C) $90 - y$

D) $90 - x$ E) $x - y$

10.

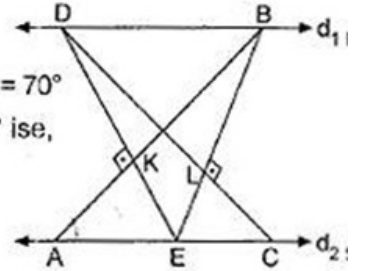
$$d_1 \parallel d_2,$$

$$m(\widehat{EAB}) + m(\widehat{BDC}) = 70^\circ$$

$$m(\widehat{K}) = m(\widehat{L}) = 90^\circ \text{ ise,}$$

$$m(\widehat{DEB})$$

kaç derecedir?



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

11.

Şekilde;

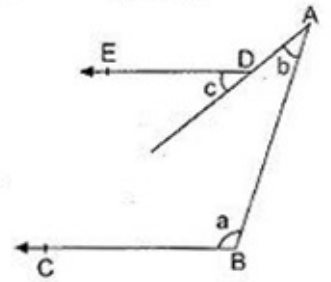
$$[DE \parallel [BC$$

$$a - 2b < 2c \text{ ise}$$

a'nın alabileceği

en büyük tamsayı

değeri kaçtır?



A) 121 B) 120 C) 119 D) 118 E) 115

12.

Şekilde;

$$[EF \parallel [AB$$

$$m(\widehat{BCN}) = m(\widehat{NCD})$$

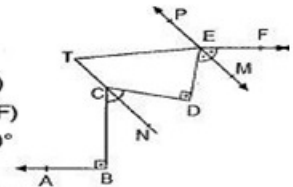
$$m(\widehat{DEM}) = m(\widehat{MEF})$$

$$m(\widehat{B}) = m(\widehat{D}) = 90^\circ$$

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

$$m(\widehat{TEP}) = (2x - 60^\circ) \text{ ise}$$

x kaç derecedir?



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