

AYT

40  
seans

# GEOMETRİ

Haluk Mimarlar

OKYANUS

Stratejik Konu Özeti



Öğrenci Soruları



Testler



Soru Çözüm Videolu



Soru Sayısı: 2340

Yükseköğretim  
Kurumları  
Sınavı'na (YKS)  
Uygun

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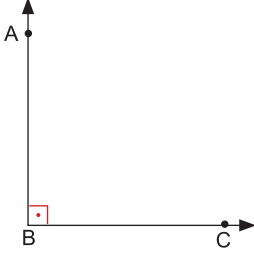
# 1. SEANS | GEOMETRİK KAVRAMLAR VE DOĞRUDA AÇI



## BİLGİ

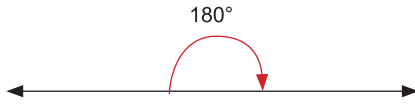
### 1.1 - Doğruda Aç - I

#### • Dik Aç:

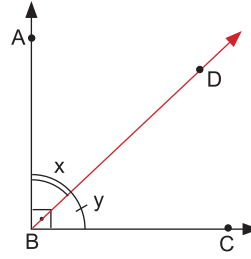


$$m(\widehat{ABC}) = 90^\circ$$
$$[BA \perp BC]$$

#### • Doğru Aç:

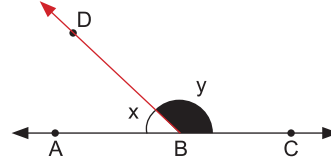


#### • Tümler Aç



Birbirini  $90^\circ$  ye tamamlayan komşu açılardır.  
 $x + y = 90^\circ$

#### • Bütünler Aç: Birbirini $180^\circ$ ye tamamlayan komşu açılardır.



$$x + y = 180^\circ$$

## ÖĞRENCİ SORULARI

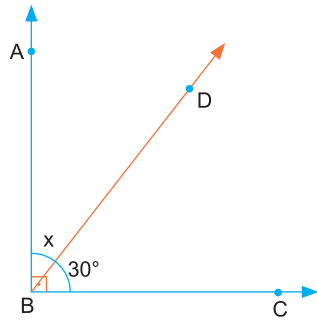
1.  $20^\circ$  lik bir açının tümleri kaç derecedir?

- A) 160    B) 140    C) 70    D) 40    E) 20

2.  $140^\circ$  lik bir açının bütünleri kaç derecedir?

- A) 40    B) 60    C) 100    D) 110    E) 120

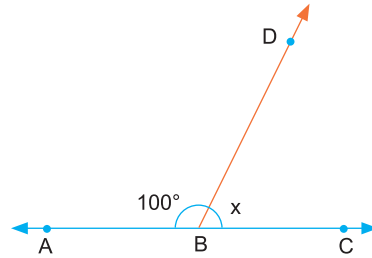
3.



x açısı kaç derecedir?

- A) 30    B) 60    C) 70    D) 80    E) 90

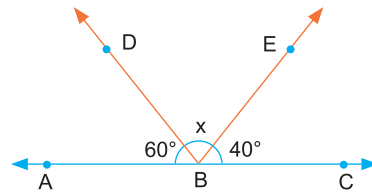
4.



x kaç derecedir?

- A) 100    B) 90    C) 80    D) 40    E) 20

5.



x kaç derecedir?

- A) 90    B) 80    C) 60    D) 45    E) 40

1-C

2-A

3-B

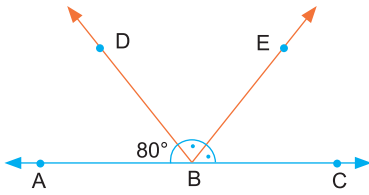
4-C

5-B

# TEST 1



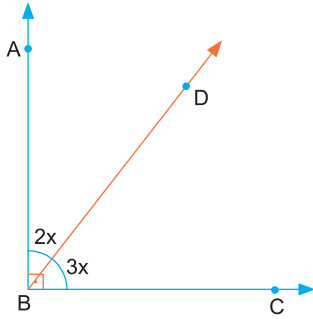
1.



$\widehat{EBC}$  açısı kaç derecedir?

- A) 100    B) 90    C) 80    D) 50    E) 30

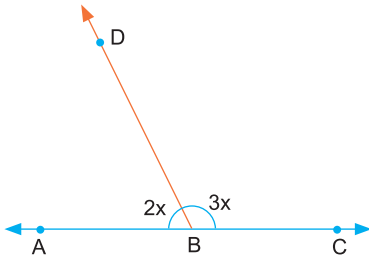
2.



x kaç derecedir?

- A) 9    B) 12    C) 18    D) 24    E) 27

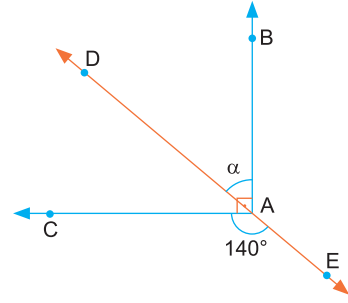
3.



x kaç derecedir?

- A) 18    B) 24    C) 36    D) 40    E) 48

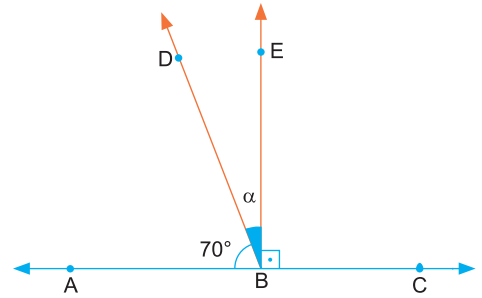
4.



$\alpha$  kaç derecedir?

- A) 30    B) 40    C) 45    D) 50    E) 60

5.



$\alpha$  kaç derecedir?

- A) 5    B) 10    C) 15    D) 20    E) 30

1-D

2-C

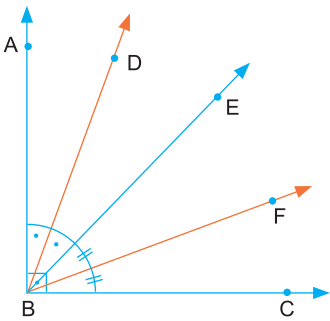
3-C

4-D

5-D

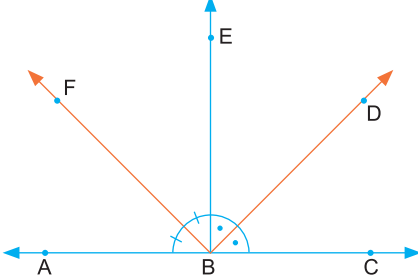


# TEST 2

1. 

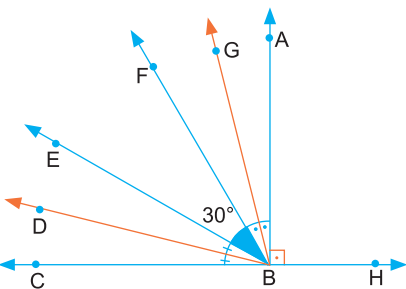
$m(\widehat{DBF})$  kaç derecedir?

A) 15    B) 22,5    C) 45    D) 60    E) 75

4. 

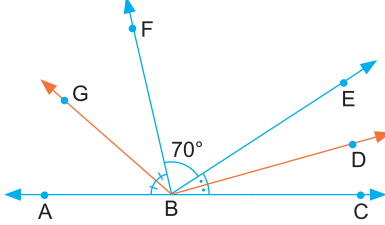
$m(\widehat{FBD})$  kaç derecedir?

A) 45    B) 60    C) 75    D) 90    E) 105

2. 

$m(\widehat{GBD})$  kaç derecedir?

A) 30    B) 45    C) 50    D) 60    E) 75

5. 

$m(\widehat{GBD})$  kaç derecedir?

A) 125    B) 130    C) 135    D) 145    E) 155

3.  $40^\circ$  lik bir açının tümüleri ile  $75^\circ$  lik bir açının bütünleri toplamı kaç derecedir?

A) 125    B) 130    C) 135    D) 145    E) 155

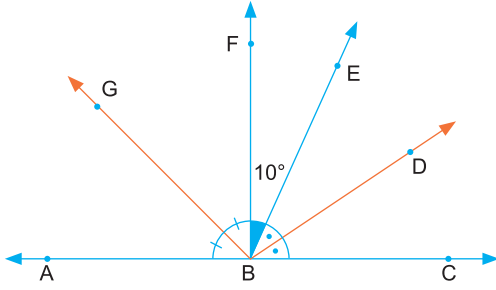
6.  $30^\circ$  lik bir açının bütünleri ile tümülerinin oranı kaçtır?

A)  $\frac{1}{2}$     B)  $\frac{3}{2}$     C)  $\frac{5}{2}$     D)  $\frac{7}{2}$     E)  $\frac{9}{2}$

# TEST 3



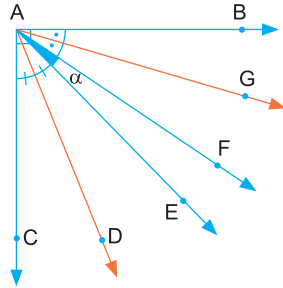
1.



$m(\widehat{GBD})$  kaç derecedir?

- A) 85    B) 90    C) 95    D) 100    E) 105

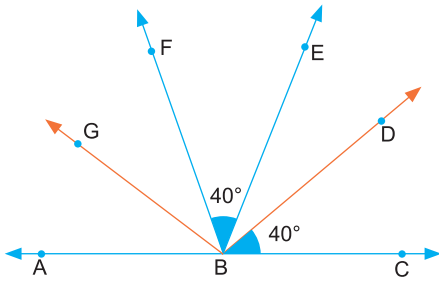
2.



$AB \perp AC$   
 $m(\widehat{GAD}) = 60^\circ$  ise,  
 $\alpha$  kaç derecedir?

- A) 30    B) 40    C) 45    D) 60    E) 75

3.



$2m(\widehat{ABG}) = 2m(\widehat{GBF}) = m(\widehat{EBD})$   
olduğuna göre,  $m(\widehat{GBD})$  kaç derecedir?

- A) 105    B) 115    C) 120    D) 125    E) 130

4. Tümler iki açının oranı  $\frac{1}{5}$  olduğuna göre, büyük açı kaç derecedir?

- A) 90    B) 80    C) 75    D) 60    E) 45

5. Bütünler iki açının farkı  $100^\circ$  olduğuna göre, küçük açı kaç derecedir?

- A) 70    B) 60    C) 50    D) 40    E) 35

6. Bir açının bütünleri, tümlerinin 2 katından  $25^\circ$  fazla olduğuna göre, bu açı kaç derecedir?

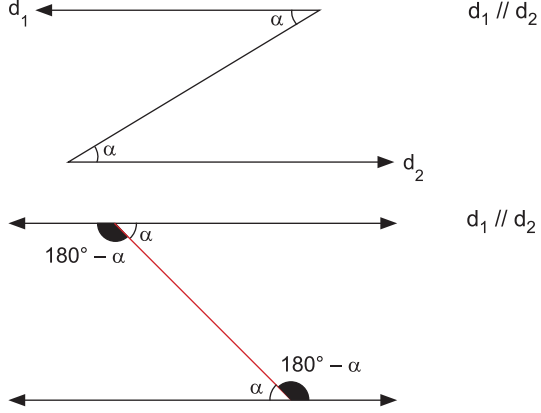
- A) 25    B) 30    C) 35    D) 40    E) 45



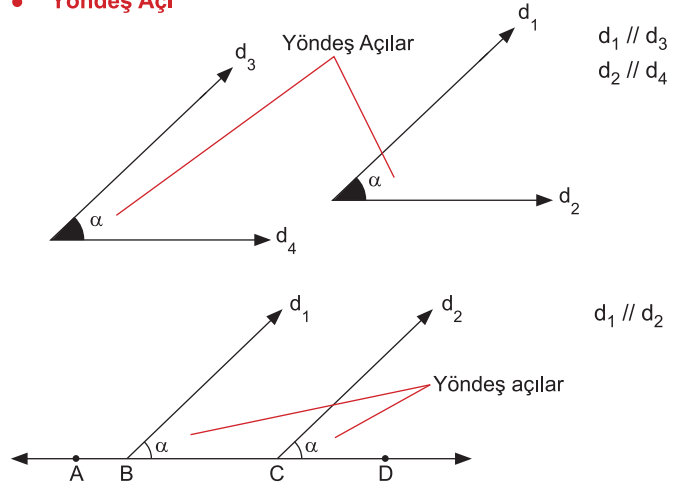
BİLGİ

1.2 - Doğruda Açı - II

• İç Ters Açı (Z Kuralı)

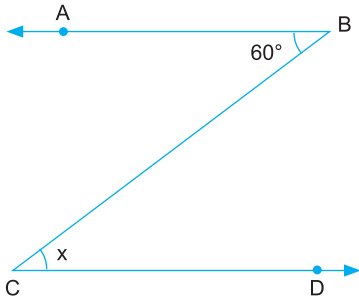


• Yöndeş Açı



ÖĞRENCİ SORULARI

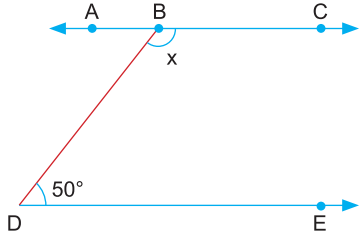
1.



x kaç derecedir?

- A) 30      B) 40      C) 60      D) 120      E) 150

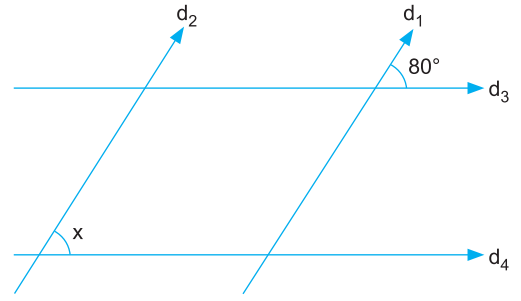
2.



x kaç derecedir?

- A) 130      B) 140      C) 150      D) 160      E) 170

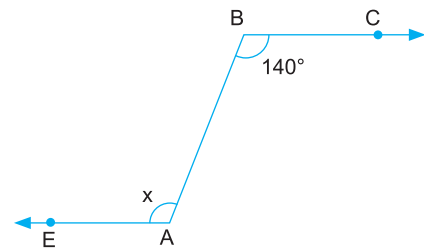
3.



$d_1 \parallel d_2, d_3 \parallel d_4$   
x kaç derecedir?

- A) 80      B) 60      C) 40      D) 30      E) 20

4.



x kaç derecedir?

- A) 160      B) 140      C) 120      D) 100      E) 40

1-C	2-A	3-A	4-B
-----	-----	-----	-----



# TEST 4



**1.**  $d_1 \parallel d_2$   
**x kaç derecedir?**

A) 70    B) 90    C) 100    D) 110    E) 120

**2.**  $AB \parallel DE$   
 $BC \parallel DF$   
**x + y kaçtır?**

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

**3.**  $AB \parallel CD$   
**x kaç derecedir?**

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

**4.**  $[AC \parallel BD]$   
**x kaç derecedir?**

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

**5.**  $[BA \parallel CD]$   
**x kaç derecedir?**

A) 16    B) 18    C) 24    D) 32    E) 36

**6.**  $[AB \parallel DE, [AC \parallel DF]$  ise,  
**x kaç derecedir?**

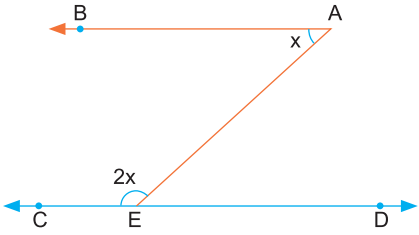
A) 15    B) 20    C) 25    D) 30    E) 35

1-D	2-A	3-E	4-C	5-D	6-B
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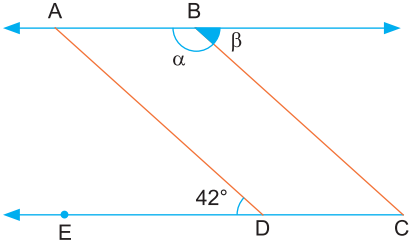


# TEST 5

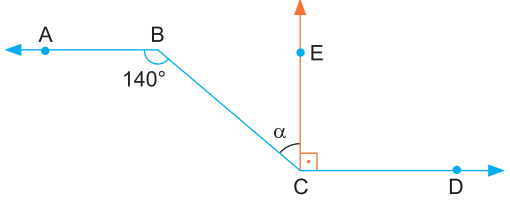
## 1. SEANS: GEOMETRİK KAVRAMLAR VE DOĞRUDA AÇI

1.   $AB \parallel CD$   
x kaç derecedir?

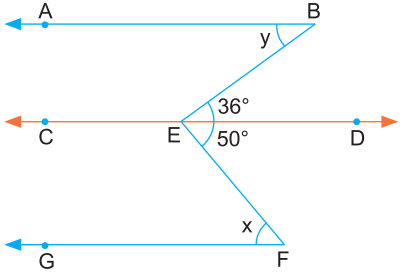
A) 75    B) 60    C) 50    D) 45    E) 30

2.   $AB \parallel [CE]$   
 $[BC] \parallel [AD]$   
 $\alpha - \beta$  kaç derecedir?

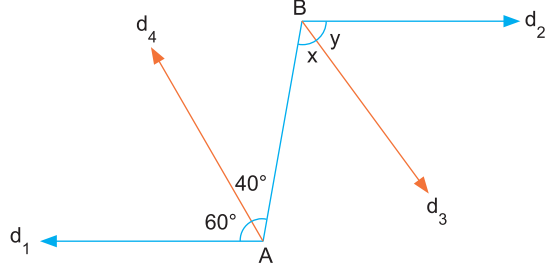
A) 108    B) 102    C) 96    D) 92    E) 86

3.   $[BA \parallel [CD]$  ise,  
 $\alpha$  kaç derecedir?

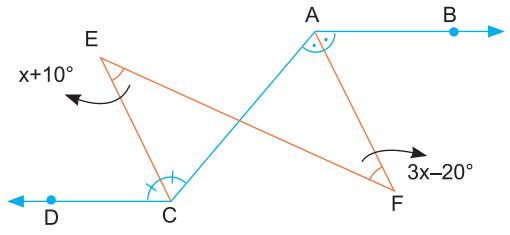
A) 35    B) 40    C) 45    D) 50    E) 70

4.   $AB \parallel CD \parallel [FG]$   
 $x - y$  kaç derecedir?

A) 7    B) 8    C) 14    D) 16    E) 24

5.   $d_1 \parallel d_2$  ve  $d_3 \parallel d_4$  ise,  
 $\frac{y}{x}$  oranı kaçtır?

A)  $\frac{1}{2}$     B) 1    C)  $\frac{3}{2}$     D) 2    E)  $\frac{5}{2}$

6.   $[AB \parallel [CD]$  ise,  
x kaç derecedir?

A) 15    B) 20    C) 25    D) 30    E) 35

1-B

2-C

3-D

4-C

5-C

6-A

# TEST 6



**1.**

$d_1 \parallel d_2$  ve  $d_3 \parallel d_4$  ise,  
 $\alpha$  kaç derecedir?

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

**2.**

$d_1 \parallel d_2$  ve  $d_3 \parallel d_4$  ise,  
 $x$  kaç derecedir?

A) 15    B) 16    C) 32    D) 36    E) 42

**3.**

$d_1 \parallel d_2 \parallel d_3$  ise,  
 $\alpha$  kaç derecedir?

A) 11    B) 22    C) 33    D) 44    E) 55

**4.**

$d_1 \parallel d_2 \parallel d_3 \parallel d_4$  ise,  
 $x - y$  kaç derecedir?

A) 21    B) 24    C) 26    D) 28    E) 32

**5.**

$d_1 \parallel d_2 \parallel d_3$  ise,  
 $x$  kaç derecedir?

A) 50    B) 60    C) 70    D) 75    E) 80

**6.**

$d_1 \parallel d_2$  ve  $d_3 \parallel d_4$  ise,  
 $\alpha$  kaç derecedir?

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

1-E

2-D

3-D

4-D

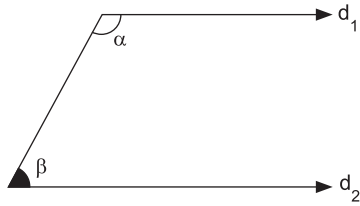
5-B

6-C



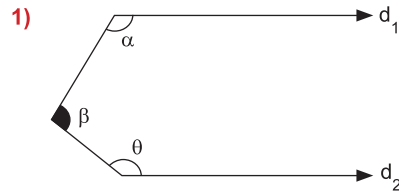
BİLGİ

1.3 - Karşı Durumlu Açı (U Kuralı)

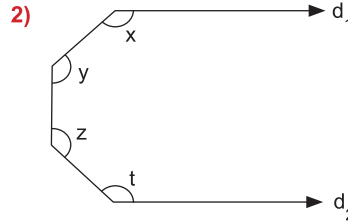


$d_1 \parallel d_2$   
 $\alpha + \beta = 180^\circ$

Sonuçlar:



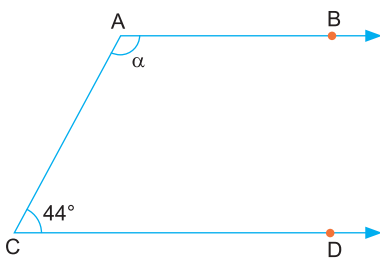
$d_1 \parallel d_2$   
 $\alpha + \beta + \theta = 360^\circ$



$d_1 \parallel d_2$   
 $x + y + z + t = 540^\circ$

ÖĞRENCİ SORULARI

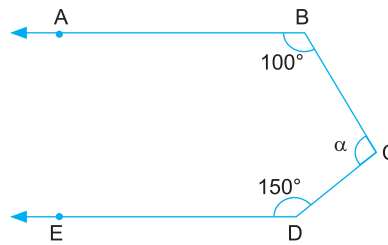
1.



[AB // CD ise,  
 $\alpha$  kaç derecedir?

- A) 114    B) 116    C) 126    D) 130    E) 136

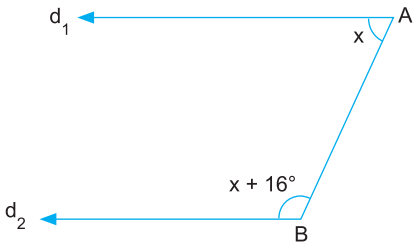
3.



[BA // DE ise,  
 $\alpha$  kaç derecedir?

- A) 105    B) 110    C) 120    D) 125    E) 130

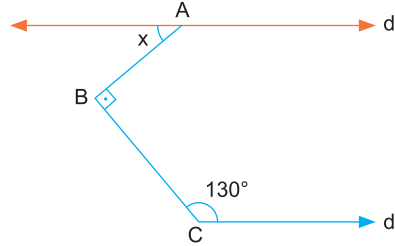
2.



$d_1 \parallel d_2$   
 $x$  kaç derecedir?

- A) 72    B) 78    C) 82    D) 84    E) 92

4.



$d_1 \parallel d_2$   
 $x$  kaç derecedir?

- A) 40    B) 45    C) 50    D) 55    E) 70

1-E

2-C

3-B

4-A

# TEST 7



1.  $d_1 \parallel d_2$   
 $\alpha$  kaç derecedir?

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

2.  $[BA \parallel [EF$   
 $x$  kaç derecedir?

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

3.  $d_1 \parallel d_2$   
 $\alpha$  kaç derecedir?

A) 10 B) 30 C) 40 D) 50 E) 70

4.  $[AB \parallel [EF$   
 $x$  kaç derecedir?

A) 25 B) 30 C) 35 D) 45 E) 50

5.  $[BA \parallel [DE,$   
 $\alpha$  kaç derecedir?

A) 55 B) 70 C) 75 D) 80 E) 90

6.  $[BA \parallel [DE, \alpha$  kaç derecedir?

A) 100 B) 105 C) 110 D) 115 E) 125

1-C

2-E

3-E

4-E

5-D

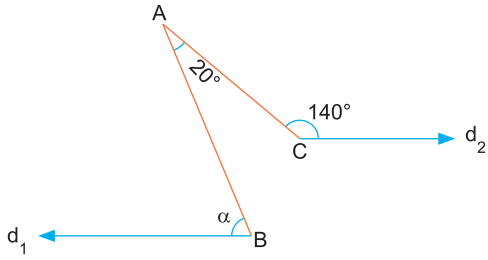
6-B



# TEST 8

## 1. SEANS: GEOMETRİK KAVRAMLAR VE DOĞRUDA AÇI

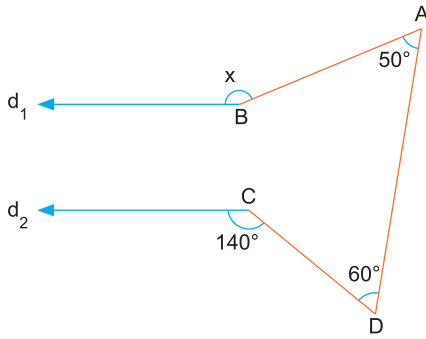
1.



$d_1 \parallel d_2$  ise,  $\alpha$  kaç derecedir?

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

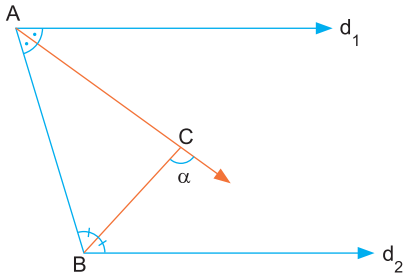
2.



$d_1 \parallel d_2$  ise,  $x$  kaç derecedir?

- A) 130    B) 135    C) 140    D) 150    E) 160

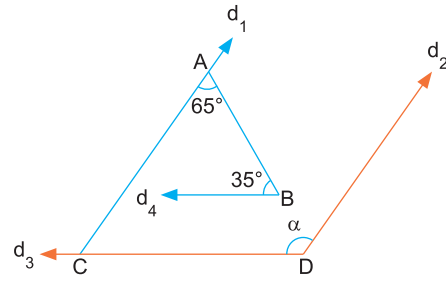
3.



$d_1 \parallel d_2$  ise,  $\alpha$  kaç derecedir?

- A) 90    B) 95    C) 100    D) 105    E) 120

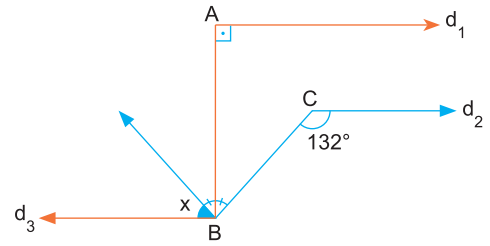
4.



$d_1 \parallel d_2$  ve  $d_3 \parallel d_4$  ise,  $\alpha$  kaç derecedir?

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

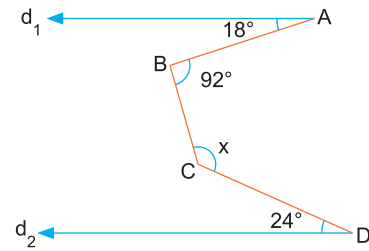
5.



$d_1 \parallel d_2 \parallel d_3$  ise,  $x$  kaç derecedir?

- A) 36    B) 42    C) 48    D) 52    E) 58

6.



$d_1 \parallel d_2$  ise,  $x$  kaç derecedir?

- A) 120    B) 130    C) 135    D) 140    E) 150

1-C

2-D

3-A

4-A

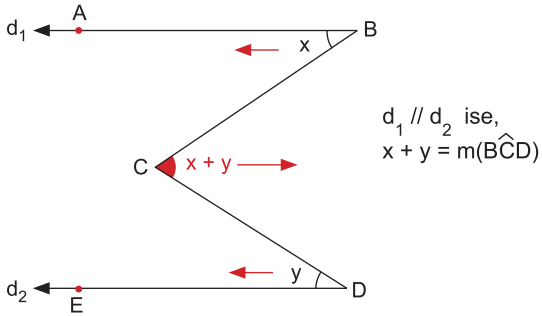
5-C

6-B

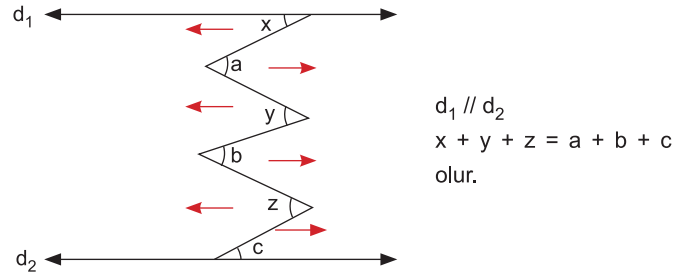


**BİLGİ**

**1.4 - M Kuralı**



**Sonuç:**



**ÖĞRENCİ SORULARI**

**1.** [BA // DE ise, x kaç derecedir?  
A) 50    B) 60    C) 70    D) 75    E) 80

**3.** d1 // d2 ise, alpha kaç derecedir?  
A) 40    B) 45    C) 50    D) 55    E) 60

**2.** [AB // DE ise, x kaç derecedir?  
A) 11    B) 12    C) 13    D) 14    E) 16

**4.** AB // KL ise, x kaç derecedir?  
A) 45    B) 50    C) 55    D) 60    E) 65

1-B	2-C	3-C	4-C
-----	-----	-----	-----



# TEST 9

**1.**  $d_1 \parallel d_2$   
 $\beta - \alpha$   
**kaç derecedir?**  
 A) 10    B) 15    C) 20    D) 25    E) 30

**4.**  $AB \parallel CD$   
 $[GF] \parallel [HL]$  ise,  
 $\alpha$  kaç derecedir?  
 A) 80    B) 90    C) 95    D) 100    E) 110

**2.**  $d_1 \parallel d_2$   
 $\alpha$  kaç derecedir?  
 A) 9    B) 12    C) 16    D) 18    E) 24

**5.**  $d_1 \parallel d_2$   
 $\alpha$  kaç derecedir?  
 A) 110    B) 115    C) 120    D) 130    E) 140

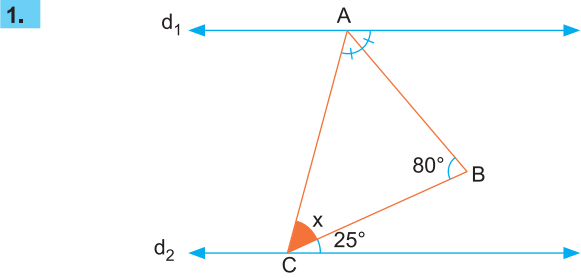
**3.**  $AC \parallel KL \parallel DF$   
 $x$  kaç derecedir?  
 A) 20    B) 23    C) 26    D) 30    E) 46

**6.**  $AC \parallel DF$   
 $x$  kaç derecedir?  
 A) 15    B) 30    C) 40    D) 45    E) 50

1-A	2-D	3-B	4-B	5-C	6-D
-----	-----	-----	-----	-----	-----



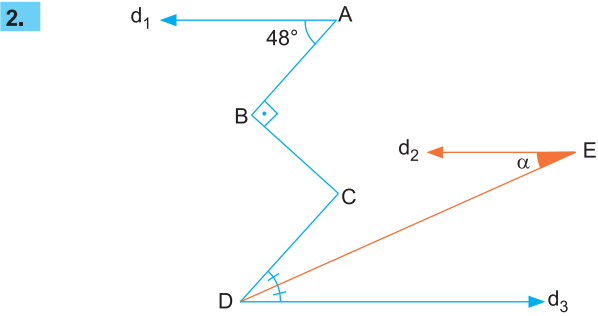
# TEST 10



$d_1 \parallel d_2$  ise,

$x$  kaç derecedir?

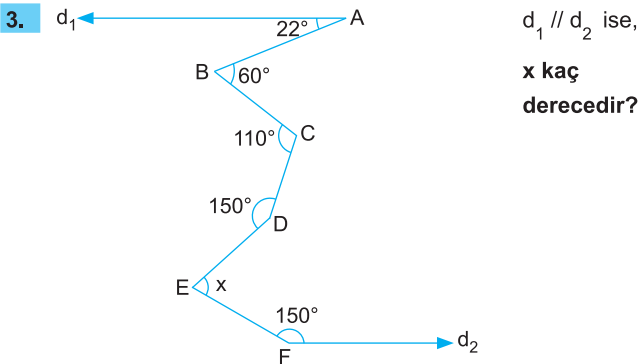
- A) 30    B) 40    C) 45    D) 50    E) 55



$d_1 \parallel d_2 \parallel d_3$  ve  $[AB] \parallel [CD]$  ise,

$\alpha$  kaç derecedir?

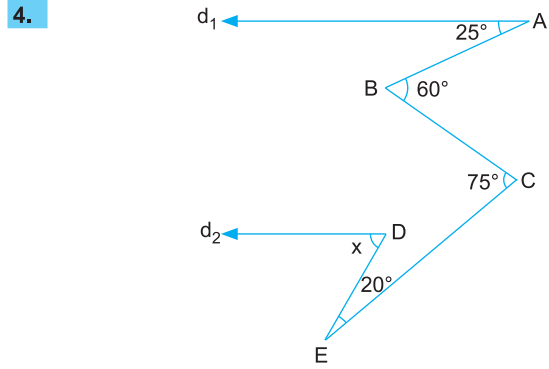
- A) 12    B) 16    C) 24    D) 28    E) 36



$d_1 \parallel d_2$  ise,

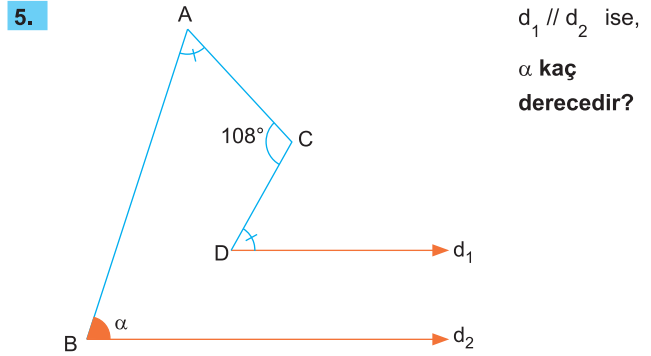
$x$  kaç derecedir?

- A) 34    B) 48    C) 54    D) 62    E) 72



$d_1 \parallel d_2$  ise,  $x$  kaç derecedir?

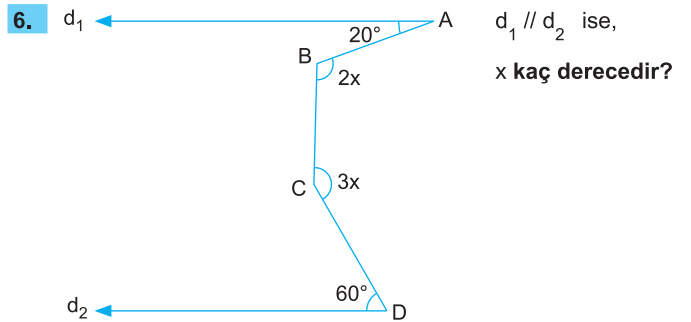
- A) 60    B) 55    C) 50    D) 45    E) 40



$d_1 \parallel d_2$  ise,

$\alpha$  kaç derecedir?

- A) 64    B) 72    C) 80    D) 82    E) 88



$d_1 \parallel d_2$  ise,

$x$  kaç derecedir?

- A) 36    B) 42    C) 48    D) 50    E) 52

1-C

2-C

3-E

4-A

5-B

6-E

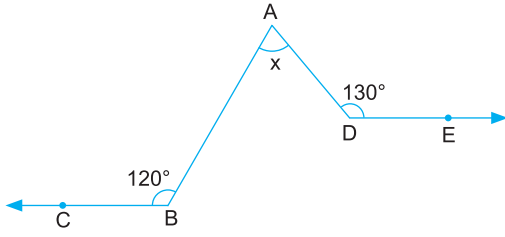


00E80B22

# TEST 11

## 1. SEANS: GEOMETRİK KAVRAMLAR VE DOĞRUDA AÇI

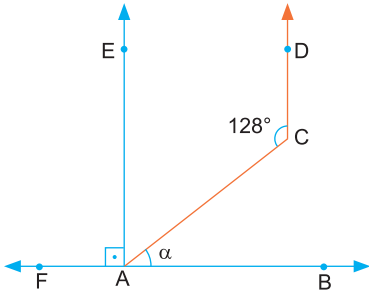
1.



[BC // [DE,  $m(\widehat{ABC}) = 120^\circ$ ,  $m(\widehat{ADE}) = 130^\circ$  olduğuna göre,  $m(\widehat{BAD}) = x$  kaç derecedir?

- A) 50      B) 60      C) 70      D) 75      E) 80

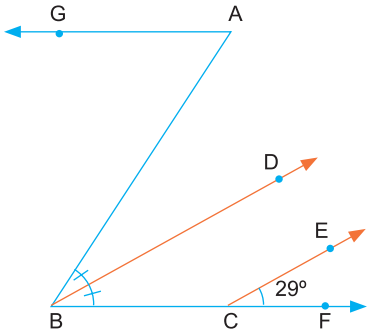
2.



[CD // [AE  
[AE ⊥ FB  
 $m(\widehat{DCA}) = 128^\circ$   
olduğuna göre,  
 $m(\widehat{CAB}) = \alpha$   
kaç derecedir?

- A) 28      B) 36      C) 38      D) 42      E) 48

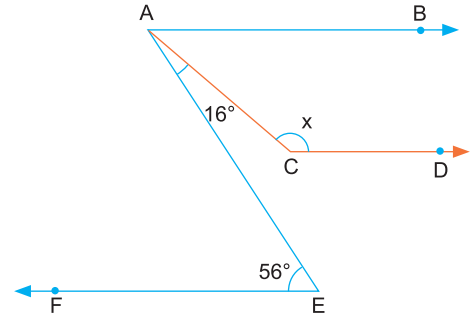
3.



$m(\widehat{ABD}) = m(\widehat{DBF})$   
[AG // [BF  
[BD // [CE  
 $m(\widehat{ECF}) = 29^\circ$   
olduğuna göre,  
 $m(\widehat{BAG})$   
kaç derecedir?

- A) 29      B) 38      C) 48      D) 58      E) 69

4.

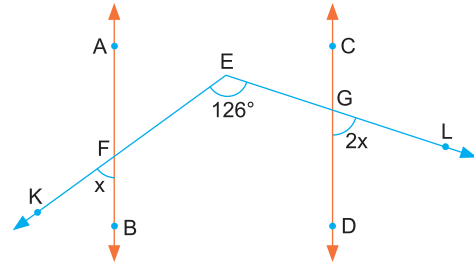


[AB // [CD // [EF,  $m(\widehat{CAE}) = 16^\circ$ ,  $m(\widehat{AEF}) = 56^\circ$

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

- A) 146      B) 140      C) 130      D) 126      E) 120

5.



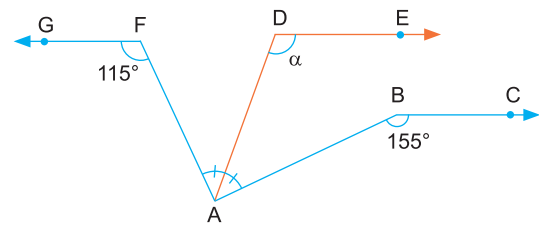
AB // CD

$2m(\widehat{BFK}) = m(\widehat{DGL}) = 2x$  ve  $m(\widehat{KEL}) = 126^\circ$

Yukarıdaki verilere göre, x kaç derecedir?

- A) 42      B) 38      C) 36      D) 32      E) 28

6.



[DE // [FG // [BC,  $m(\widehat{FAD}) = m(\widehat{DAB})$

$m(\widehat{GFA}) = 115^\circ$ ,  $m(\widehat{ABC}) = 155^\circ$  olduğuna göre,

$m(\widehat{ADE}) = \alpha$  kaç derecedir?

- A) 110      B) 105      C) 100      D) 90      E) 70

1-C

2-C

3-D

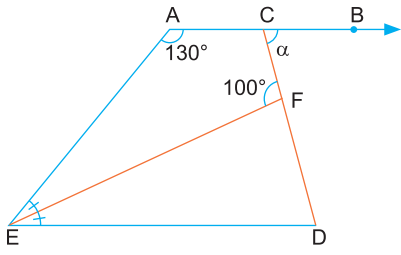
4-B

5-A

6-A



1.



$[AB \parallel [ED]$   
 $m(\widehat{AEF}) = m(\widehat{FED})$   
 $m(\widehat{BAE}) = 130^\circ$   
 $m(\widehat{EFC}) = 100^\circ$   
 olduğuna göre,

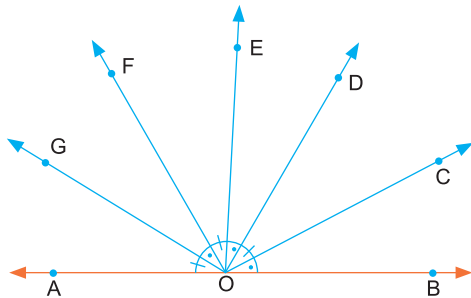
$m(\widehat{BCD}) = \alpha$  kaç derecedir?

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

2.  $25^\circ$  lik bir açının, tümlerinin bütünleri kaç derecedir?

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

3.



$m(\widehat{AOG}) = m(\widehat{FOE}) = m(\widehat{DOC})$   
 $m(\widehat{GOF}) = m(\widehat{EOD}) = m(\widehat{COB})$

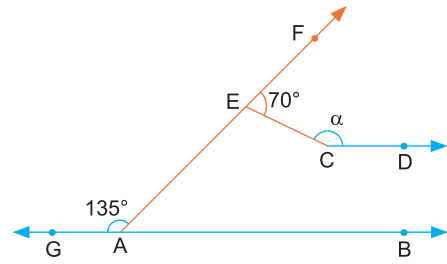
Yukarıdaki verilere göre,  $m(\widehat{GOC})$  kaç derecedir?

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

4. Bir açının bütünleri ile tümlerinin farkı kaç derecedir?

- A) 45    B) 60    C) 75    D) 90    E) 180

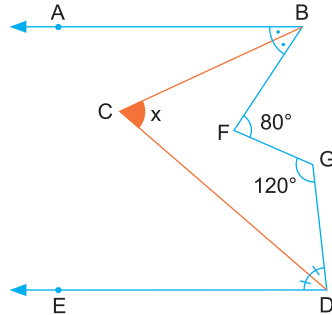
5.



$GB \parallel [CD$ ,  $m(\widehat{FEC}) = 70^\circ$ ,  $m(\widehat{GAF}) = 135^\circ$  olduğuna göre,  
 $m(\widehat{ECD}) = \alpha$  kaç derecedir?

- A) 150    B) 155    C) 160    D) 165    E) 170

6.



$[BA \parallel [DE$   
 $[BC]$  ve  $[DC]$  açkırtay  
 $m(\widehat{BFG}) = 80^\circ$   
 $m(\widehat{FGD}) = 120^\circ$   
 olduğuna göre,  
 $m(\widehat{BCD}) = x$   
 kaç derecedir?

- A) 70    B) 60    C) 55    D) 50    E) 40