



GALATA YÖS-SAT YAYINLARI

YOS

Yeni Tarz Sorular

New Style Questions

KOLAY GEOMETRİ Easy Geometry

Soru Bankası / Question bank



YAYINLARIMIZ

PUBLICATIONS



GALATA YÖS-SAT YAYINLARI

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Bu kitabın tüm hakları Sarıkaya eğitim danışmanlık hizmetleri limitet şirketine aittir. Bu kitabın tamamını veya bir kısmını elektronik, mekanik, fotokopi ya da herhangi bir kayıt sistemiyle çoğaltılması ve yayılmasına yasaktır.

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ÖNSÖZ

Değerli öğretmen ve sevgili öğrencilerimiz;

Galata Eğitim kurumları, 2005'ten bugüne YÖS, SAT ve TÖMER sınavlarına hazırlanan öğrencilerimize eğitim öğretimin yanısıra rehberlik hizmetleri de veren bir eğitim kurumudur.

Kurumumuz ülkemizde YÖS'e girecek öğrencilerle birlikte dünyanın farklı yerlerinden ülkemize gelen uluslararası öğrencilere de YÖS'e hazırlanma aşamasında şu hizmetleri vermektedir;

- Ders çalışma teknikleri
- Üniversite ve bölüm bilgileri
- Başvuru ve tercih aşamasında rehberlik hizmetleri

Öğrencilerimiz bu aşamalardan doğru yönlendirmelerle geçerek, adım adım başarıya ulaşması sağlanmaktadır.

Elinizde bulunan Geometri soru bankası, Üniversitelerin son yıllarda YÖS'te sormuş oldukları yeni tarz sorulara göre hazırlanmıştır. Bütün konuları kapsayacak şekilde her tarz sorudan hazırlanan kitabımız, sizleri başarıya ulaştıracak ve sınavlarda karşınıza çıkacak sorularda pratiklik kazandıracaktır. Değerli öğretmen ve sevgili öğrencilerimize faydalı olması dileğiyle.

FOREWORD

Dear teachers and students;

Galata educational center is an educational institution that provides guidance services to the students who have been preparing for YÖS, SAT, and TÖMER exams since 2005.

Our institution is a hub of attraction for students from all over the world, for it familiarizes students with study techniques, provides information and details about universities and departments, and offers guidance services during application and preferences for the universities. And by doing so, it ensures success for our students.

The questions in the Geometry question bank were prepared correspondingly, through the years of experience to help you get a perfect score on the exam. All the questions are parallel and identical to the YOS exam questions. It covers all the topics which are in Math 1. We hope to be beneficial to our valuable teachers and dear students

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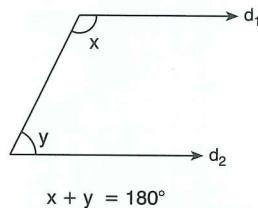
ÜNİTE 1

Unit 1

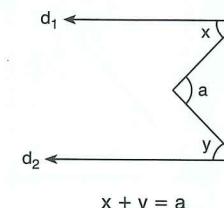
Doğruda Açılar /
Angles Directly

Doğruda Açılar / Angles Directly

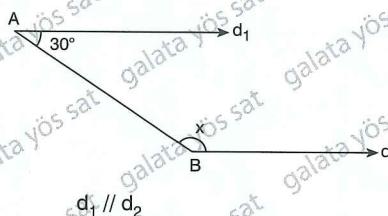
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($d_1 // d_2$)



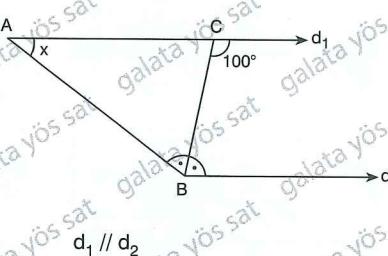
1.



Yukarıdaki verilere göre, x in değeri nedir?

- According to the above data, what is the value of $x = ?$
- A) 30
 - B) 60
 - C) 90
 - D) 120
 - E) 150

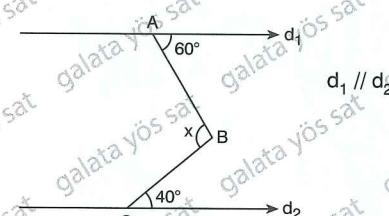
2.



Yukarıdaki verilere göre, x in değeri nedir?

- According to the above data, what is the value of $x = ?$
- A) 10
 - B) 20
 - C) 30
 - D) 40
 - E) 50

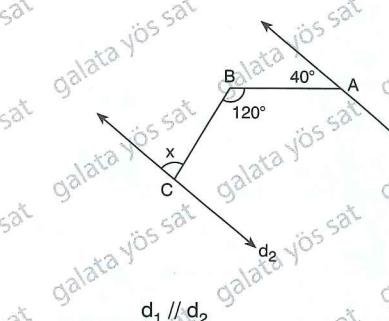
3.



Yukarıdaki verilere göre, x in değeri nedir?

- According to the above data, what is the value of $x = ?$
- A) 115
 - B) 110
 - C) 105
 - D) 100
 - E) 95

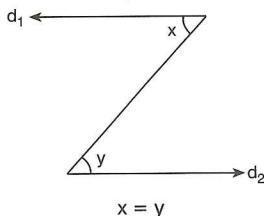
4.



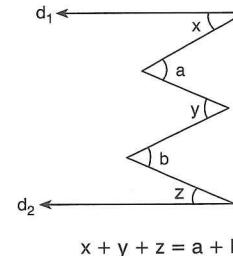
Yukarıdaki verilere göre, x in değeri nedir?

- According to the above data, what is the value of $x = ?$
- A) 60
 - B) 70
 - C) 80
 - D) 90
 - E) 100

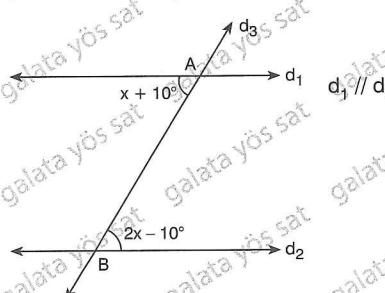
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($d_1 // d_2$)



1.

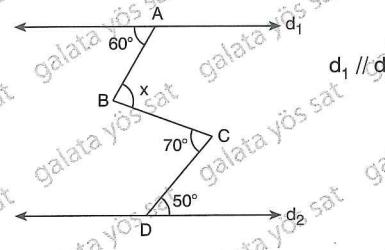


Yukarıdaki verilere göre, x in değeri nedir?

According to the above data, what is the value of $x = ?$

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

3.

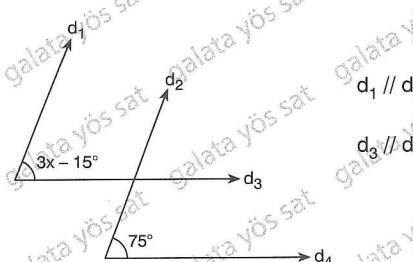


Yukarıdaki verilere göre, x in değeri nedir?

According to the above data, what is the value of $x = ?$

- A) 80 B) 90 C) 100 D) 110 E) 120

2.

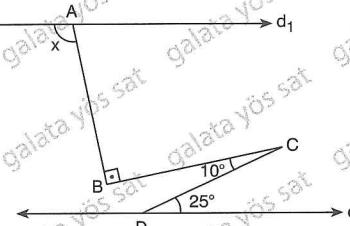


Yukarıdaki verilere göre, x in değeri nedir?

According to the above data, what is the value of $x = ?$

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

4.



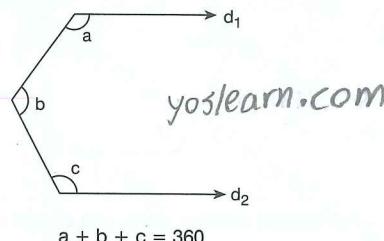
Yukarıdaki verilere göre, x in değeri nedir?

According to the above data, what is the value of $x = ?$

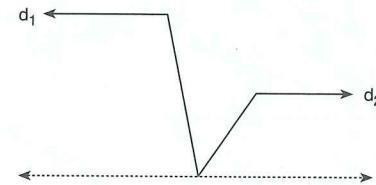
- A) 100 B) 105 C) 110 D) 115 E) 120

Doğruda Açılar / Angles Directly

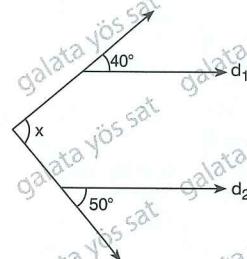
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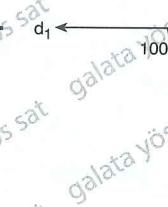
1.



Yukarıdaki verilere göre, x in değeri nedir?

According to the above data, what is the value of $x = ?$

- A) 60 B) 70 C) 80 D) 90 E) 100

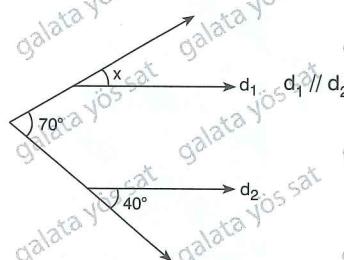


Yukarıdaki verilere göre, x in değeri nedir?

According to the above data, what is the value of $x = ?$

- A) 120 B) 110 C) 100 D) 90 E) 80

2.

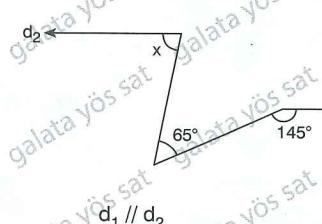


Yukarıdaki verilere göre, x in değeri nedir?

According to the above data, what is the value of $x = ?$

- A) 40 B) 35 C) 30 D) 25 E) 20

3.



Yukarıdaki verilere göre, x in değeri nedir?

According to the above data, what is the value of $x = ?$

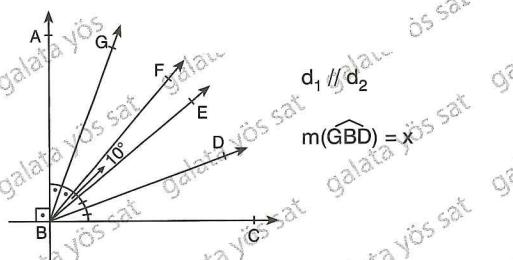
- A) 80 B) 90 C) 100 D) 110 E) 120

3-A

4-C

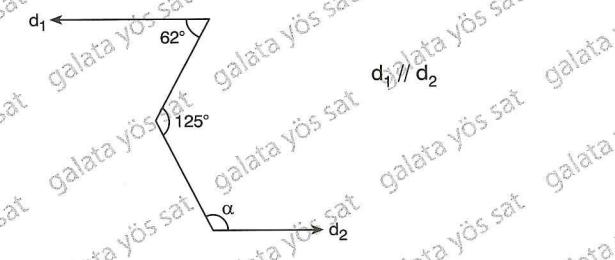
TEST 1

Doğruda Açılar / Angles Directly



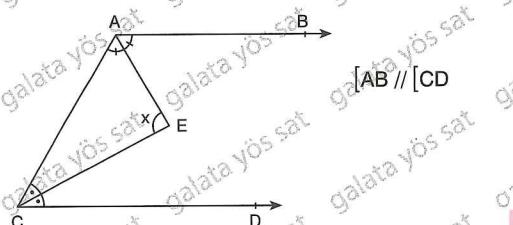
Yukarıdaki verilere göre, x in değeri nedir?

- According to the above data, what is the value of $x = ?$
- A) 48
 - B) 49
 - C) 50
 - D) 51
 - E) 52



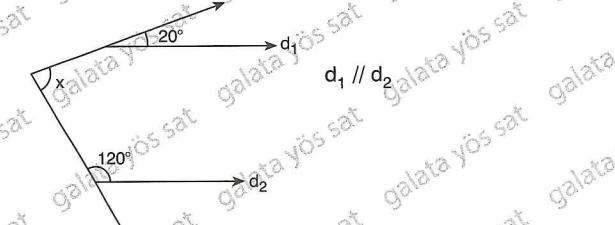
Yukarıdaki verilere göre, x in değeri nedir?

- According to the above data, what is the value of $x = ?$
- A) 113
 - B) 114
 - C) 115
 - D) 117
 - E) 119



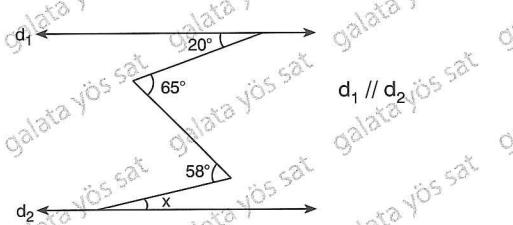
Yukarıdaki verilere göre, x in değeri nedir?

- According to the above data, what is the value of $x = ?$
- A) 80
 - B) 90
 - C) 100
 - D) 110
 - E) 120



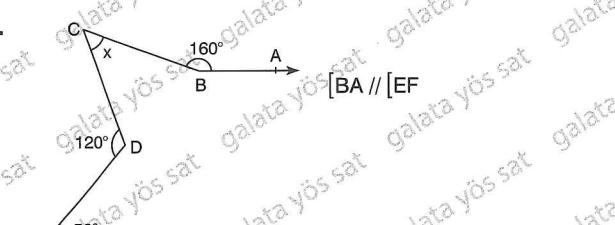
Yukarıdaki verilere göre, x in değeri nedir?

- According to the above data, what is the value of $x = ?$
- A) 80
 - B) 90
 - C) 100
 - D) 110
 - E) 120



Yukarıdaki verilere göre, x in değeri nedir?

- According to the above data, what is the value of $x = ?$
- A) 10
 - B) 11
 - C) 12
 - D) 13
 - E) 14

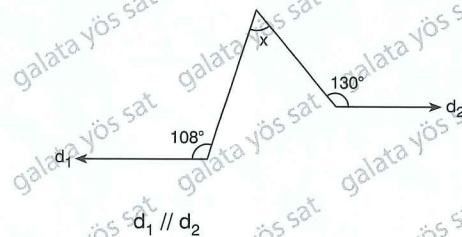


Yukarıdaki verilere göre, x in değeri nedir?

- According to the above data, what is the value of $x = ?$
- A) 40
 - B) 50
 - C) 60
 - D) 70
 - E) 80

Doğruda Açılar / Angles Directly

7.

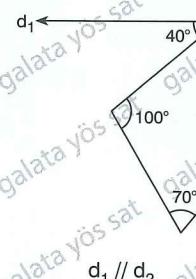


Yukarıdaki verilere göre, x in değeri nedir?

According to the above data, what is the value of $x = ?$

- A) 48 B) 58 C) 68 D) 78 E) 88

10.

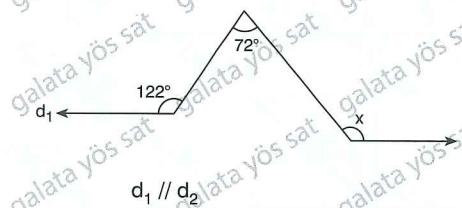


Yukarıdaki verilere göre, x in değeri nedir?

According to the above data, what is the value of $x = ?$

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

8.



Yukarıdaki verilere göre, x in değeri nedir?

According to the above data, what is the value of $x = ?$

- A) 122 B) 130 C) 140 D) 152 E) 160

11.

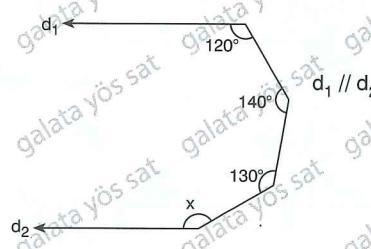


Yukarıdaki verilere göre, x in değeri nedir?

According to the above data, what is the value of $x = ?$

- A) 10 B) 120 C) 30 D) 40 E) 50

9.

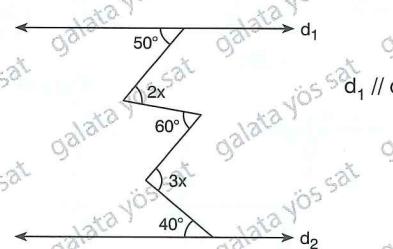


Yukarıdaki verilere göre, x in değeri nedir?

According to the above data, what is the value of $x = ?$

- A) 170 B) 160 C) 150 D) 140 E) 100

12.



Yukarıdaki verilere göre, x in değeri nedir?

According to the above data, what is the value of $x = ?$

- A) 60 B) 50 C) 40 D) 30 E) 20

1-C

2-B

3-D

4-D

5-A

6-B

7-B

8-B

9-C

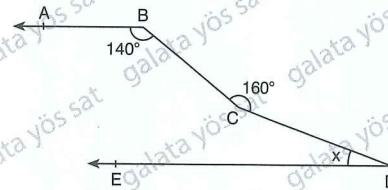
10-C

11-A

12-D

Doğruda Açılar / Angles Directly

7.

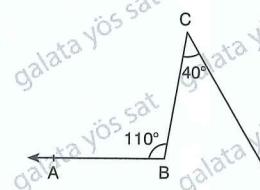


$[BA \parallel [DE, m(\widehat{ABC}) = 140^\circ, m(\widehat{BCD}) = 160^\circ]$

$$m(\widehat{CDE}) = x = ?$$

- A) 20 B) 30 C) 40 D) 50 E) 60

10.

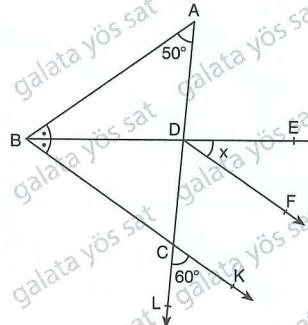


$[BA \parallel [DE, m(\widehat{ABC}) = 110^\circ, m(\widehat{BCD}) = 40^\circ]$

$$m(\widehat{CDE}) = x = ?$$

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

8.



$[DF \parallel [BK$

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

$$m(\widehat{LCK}) = 60^\circ$$

$$m(\widehat{EDF}) = x = ?$$

- A) 60 B) 55 C) 50 D) 45 E) 35

11.

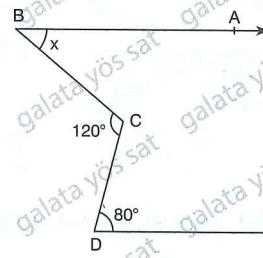


$[BA \parallel [DE, m(\widehat{ABC}) = 130^\circ, m(\widehat{CDE}) = 120^\circ]$

$$m(\widehat{BCD}) = x = ?$$

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

9.



$[BA \parallel [DE$

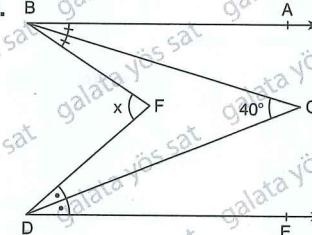
$$m(\widehat{BDC}) = 120^\circ$$

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

$$m(\widehat{ABC}) = x = ?$$

- A) 30 B) 35 C) 40 D) 45 E) 50

12.



$[BA \parallel [DE$

$$m(\widehat{ABC}) = m(\widehat{CBF})$$

$$m(\widehat{FDC}) = m(\widehat{CDE})$$

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

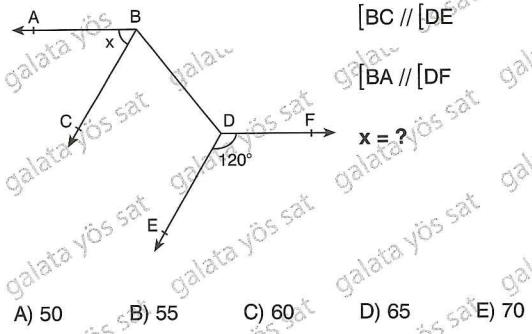
$$m(\widehat{BFD}) = x = ?$$

- A) 60 B) 70 C) 80 D) 90 E) 100

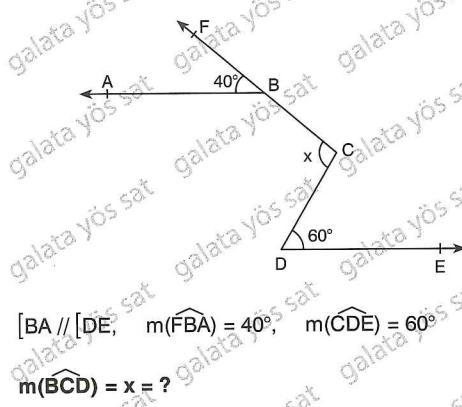
TEST 4

Doğruda Açılar / Angles Directly

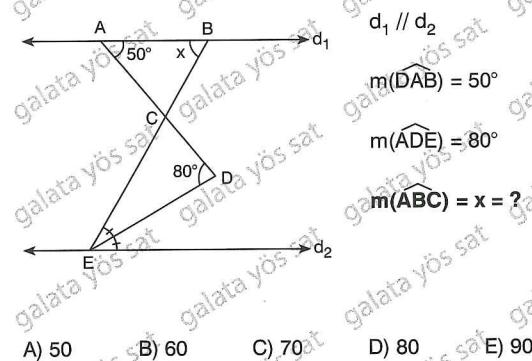
1.



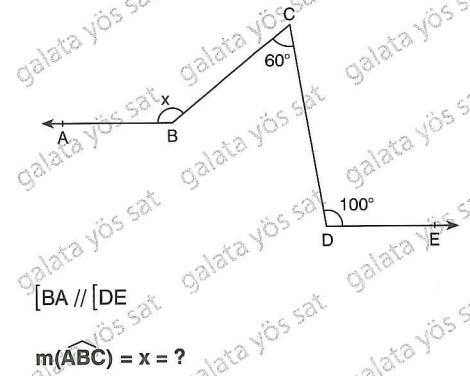
2.



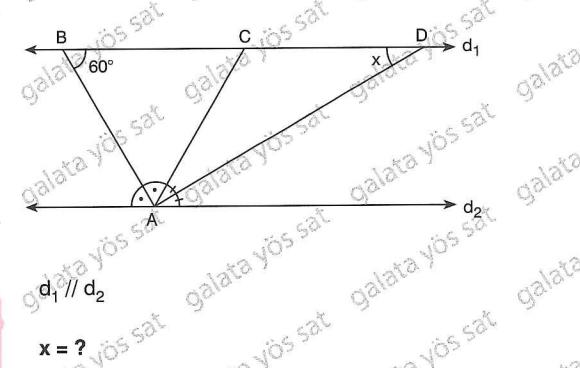
3.



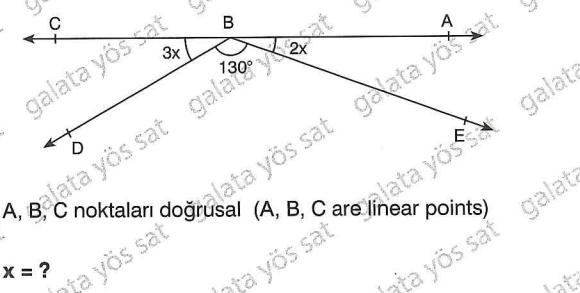
4.



5.

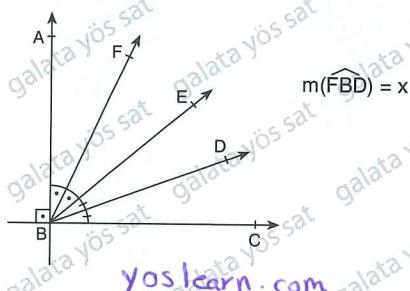


6.



Doğruda Açılar / Angles Directly

7.

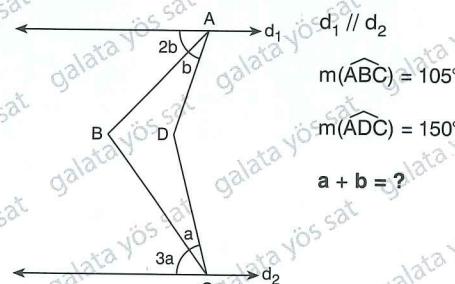


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Yukarıdaki verilere göre, x in değeri nedir?

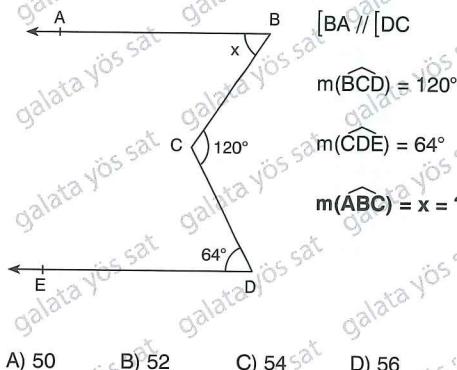
- According to the above data, what is the value of $x = ?$
- A) 25 B) 30 C) 40 D) 45 E) 50

10.



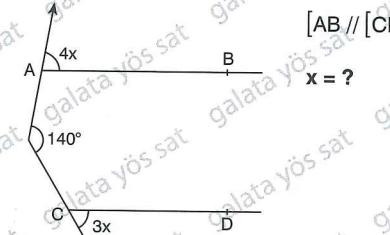
- A) 30 B) 35 C) 40 D) 45 E) 50

8.



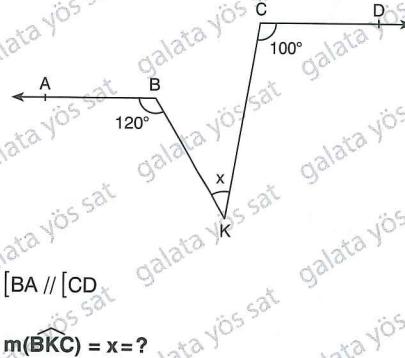
- A) 50 B) 52 C) 54 D) 56 E) 58

11.



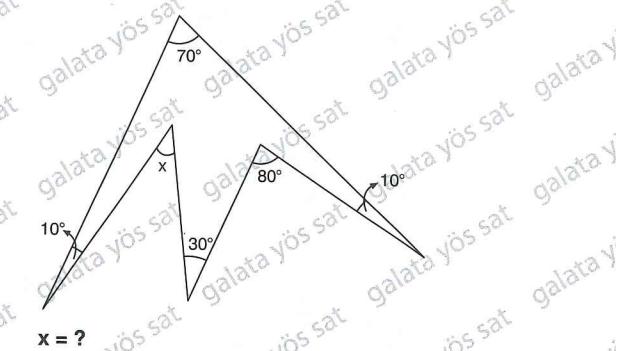
- A) 10 B) 20 C) 30 D) 40 E) 50

9.



- A) 40 B) 35 C) 30 D) 25 E) 20

12.



- A) 40 B) 41 C) 42 D) 43 E) 44

1-C

2-B

3-B

4-A

5-A

6-B

7-D

8-D

9-A

10-D

11-B

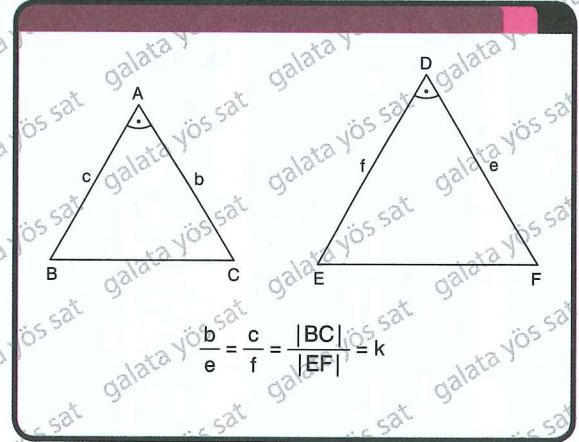
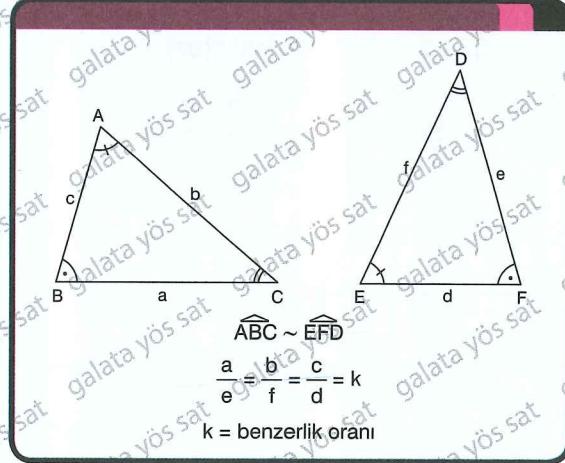
12-A

ÜNİTE 8

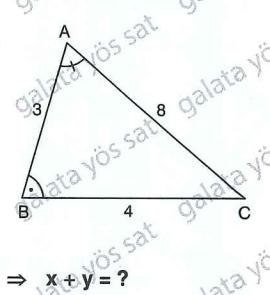
Unit 8

Üçgende Benzerlik /
Similarity of Triangles

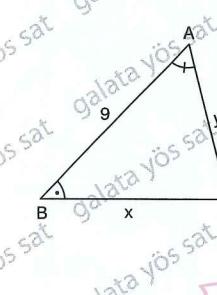
Üçgende Benzerlik / Similarity of Triangles



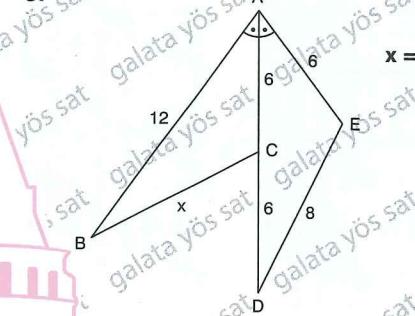
1.



$$A) 16 \quad B) 18 \quad C) 24 \quad D) 30 \quad E) 36$$

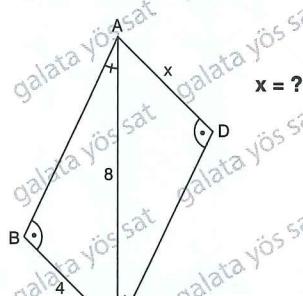


3.



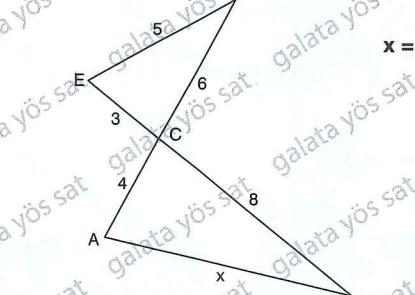
- A) 4 B) 6 C) 8 D) 10 E) 12

2.

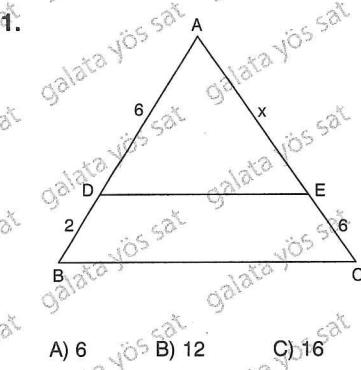
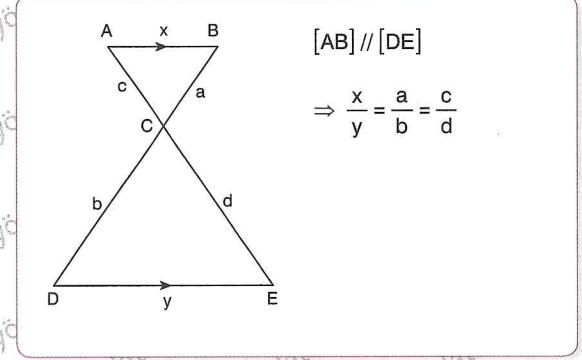
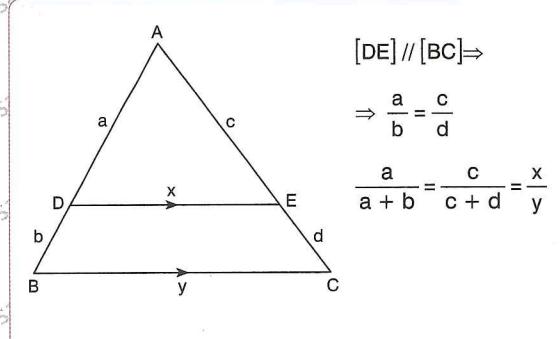


- A) 4 B) 6 C) 8 D) 10 E) 12

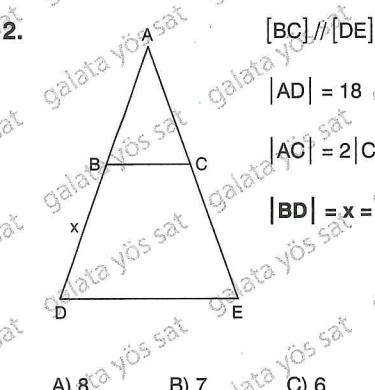
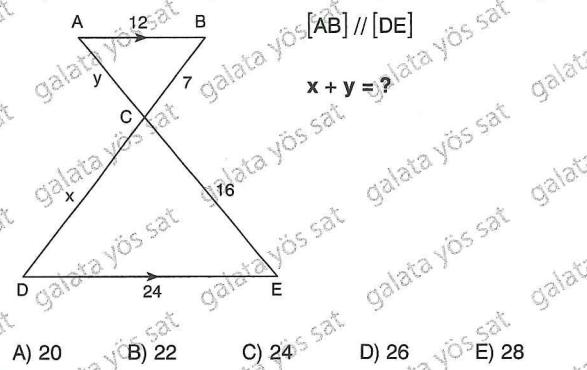
4.



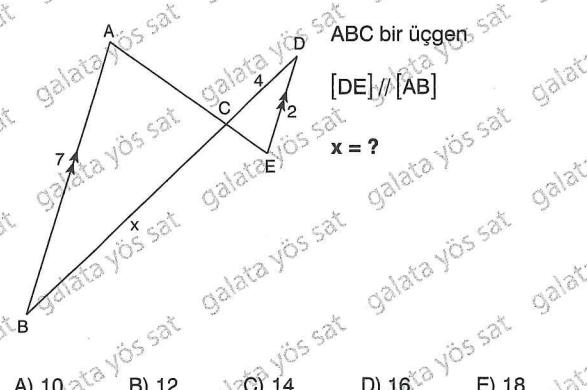
- A) $\frac{20}{3}$ B) 9 C) 10 D) 11 E) 12



3. sat

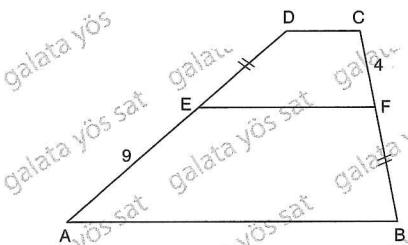


4. sat



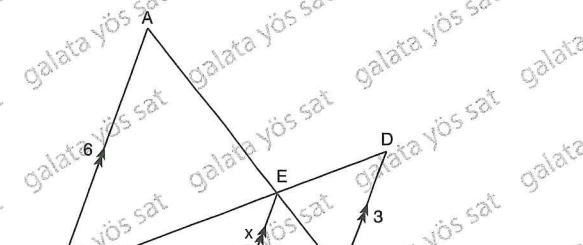
TEST 2

Üçgende Benzerlik / Similarity of Triangles



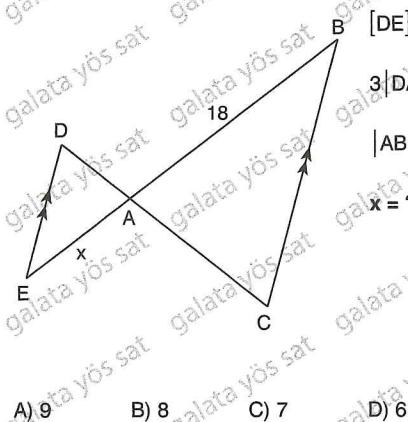
- $[DC] \parallel [EF] \parallel [AB]$
 $\Rightarrow |BF| = |DE| = ?$

A) 7 B) 6 C) 5 D) 4 E) 3

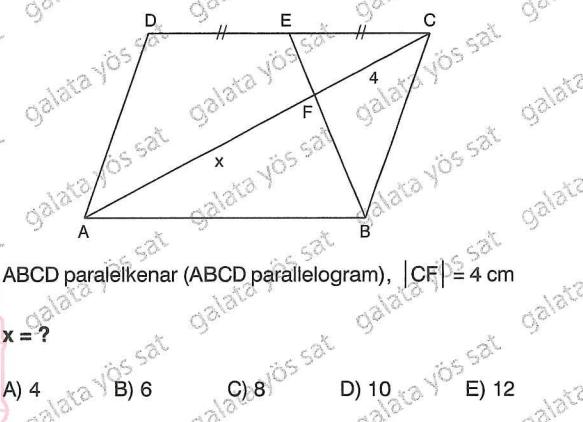


- $[AB] \parallel [EF] \parallel [DC]$
 $\Rightarrow x = ?$

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

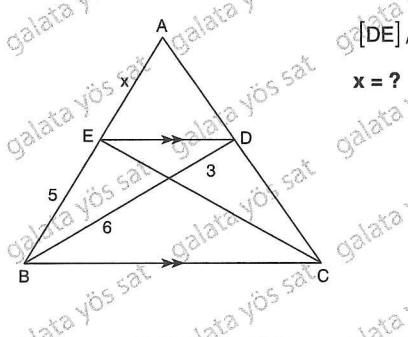


- A) 9 B) 8 C) 7 D) 6 E) 5

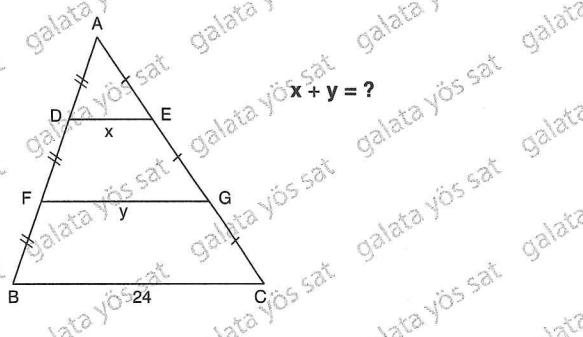


ABCD parallelenar (ABCD parallelogram), $|CF| = 4 \text{ cm}$

- x = ?
A) 4 B) 6 C) 8 D) 10 E) 12



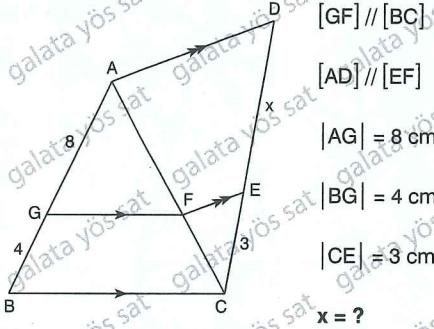
- A) 4 B) 5 C) 6 D) 7 E) 8



- x + y = ?
A) 48 B) 40 C) 36 D) 30 E) 24

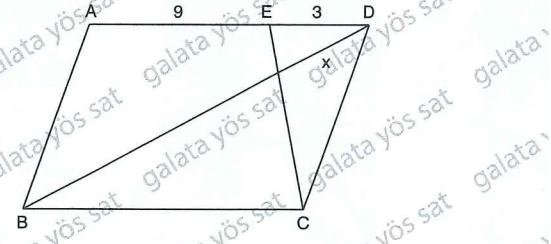
Üçgende Benzerlik / Similarity of Triangles

7.



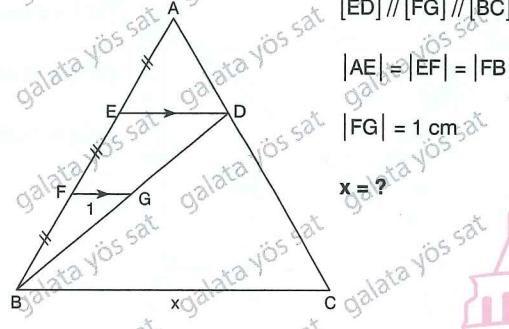
- A) 10 B) 9 C) 8 D) 7 E) 6

10.

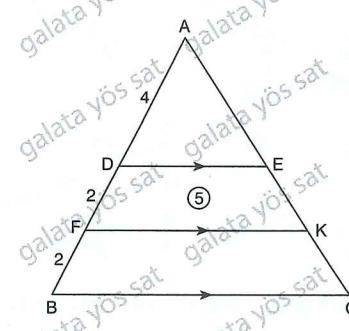


- A) 1 B) 2 C) 3 D) 4 E) 5

11.

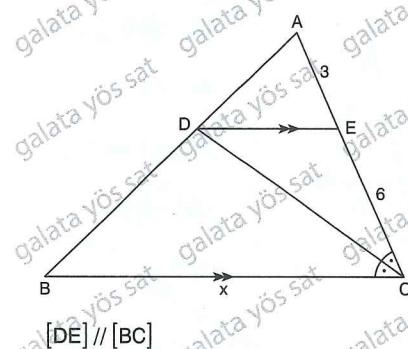


- A) 2 B) 4 C) 6 D) 8 E) 10

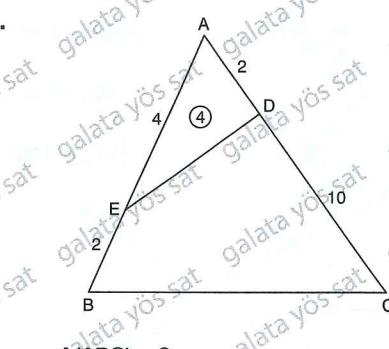


- A) 2 B) 4 C) 7 D) 8 E) 10

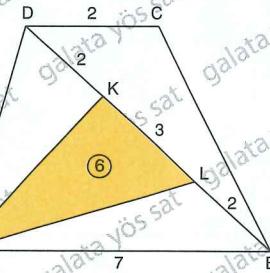
12.



- A) 12 B) 18 C) 20 D) 24



- A) 5 B) 9 C) 16 D) 20 E) 36

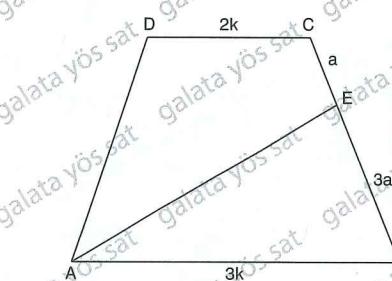


ABCD yamuk (ABCD trapezoid)

$$|DC| = |DK| = |LB| = 2 \text{ cm}, \quad |KL| = 3 \text{ cm}$$

$$\Rightarrow A(ABCD) = ?$$

- A) 3 B) 6 C) 12 D) 18 E) 24

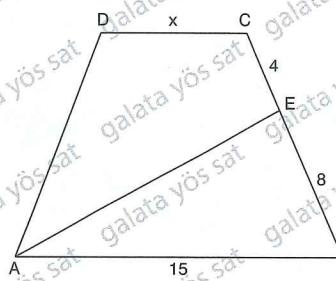


ABCD yamuk (ABCD trapezoid), $A(ABE) = 9$

$$|AB| = 3k, \quad |DC| = 2k, \quad |CE| = a, \quad |EB| = 3a$$

$$\Rightarrow A(ABCD) = ?$$

- A) 20 B) 24 C) 28 D) 32 E) 36



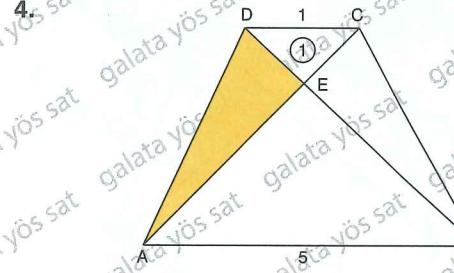
ABCD yamuk (ABCD trapezoid)

$$|AB| = 15 \text{ cm}, \quad |CE| = 4 \text{ cm}, \quad |EB| = 8 \text{ cm}$$

$$A(ADC) = A(ABE)$$

$$\Rightarrow x = ?$$

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

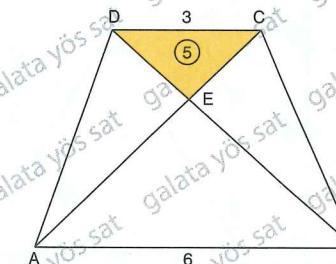


ABCD yamuk (ABCD trapezoid)

$$|AB| = 5 \text{ cm}, \quad |DC| = 1 \text{ cm}, \quad A(DCE) = 1 \text{ cm}^2$$

$$\Rightarrow A(ADE) = ?$$

- A) 3 B) 5 C) 7 D) 9 E) 13

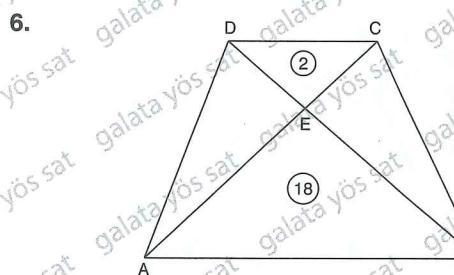


ABCD yamuk (ABCD trapezoid)

$$|AB| = 6 \text{ cm}, \quad |DC| = 3 \text{ cm}, \quad A(DCE) = 5 \text{ cm}^2$$

$$\Rightarrow A(ABCD) = ?$$

- A) 20 B) 25 C) 35 D) 45 E) 60



ABCD yamuk (ABCD trapezoid)

$$A(AEB) = 18 \text{ cm}^2, \quad A(DEC) = 2 \text{ cm}^2$$

$$\Rightarrow A(CEB) = ?$$

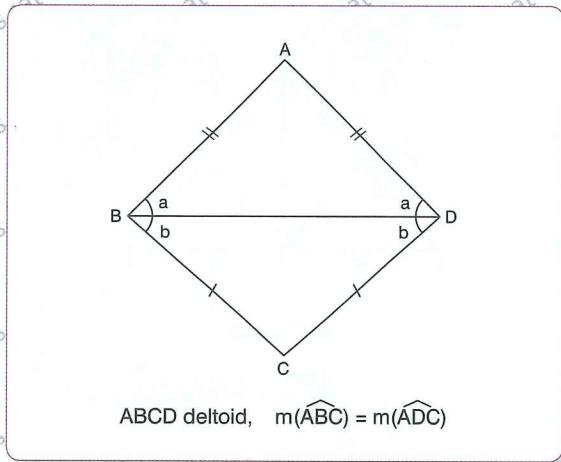
- A) 6 B) $6\sqrt{2}$ C) $6\sqrt{3}$ D) 8 E) $8\sqrt{3}$

ÜNİTE 16

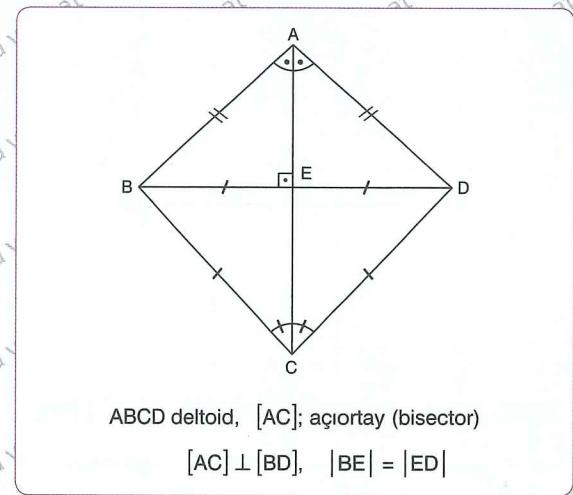
Unit 16

Deltoid /
Deltoid

Deltoid / Deltoid



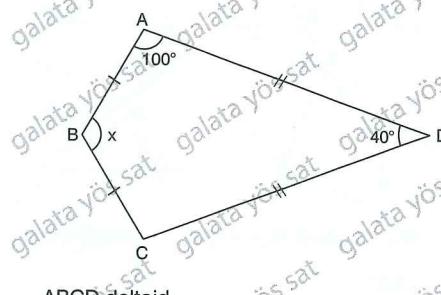
ABCD deltoid, $m(\widehat{ABC}) = m(\widehat{ADC})$



ABCD deltoid, [AC]; açıortay (bisector)

$$[AC] \perp [BD], \quad |BE| = |ED|$$

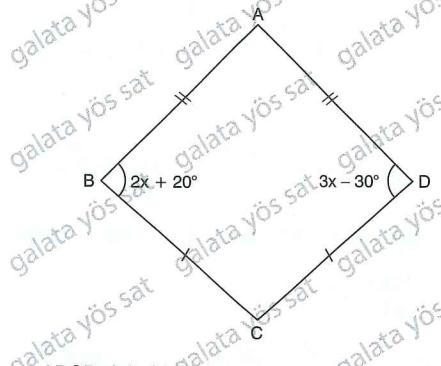
1



ABCD deltoid

- A) 100 B) 110 C) 120

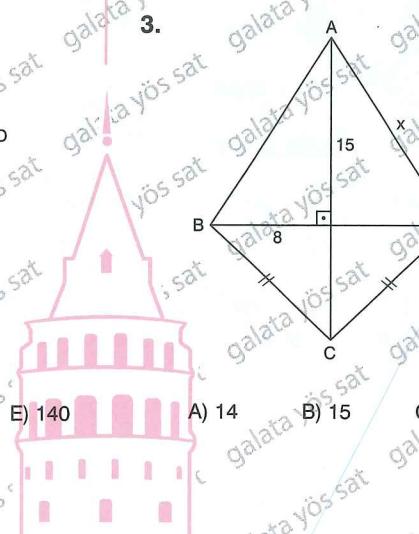
2.



ABCD deltoid

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

2

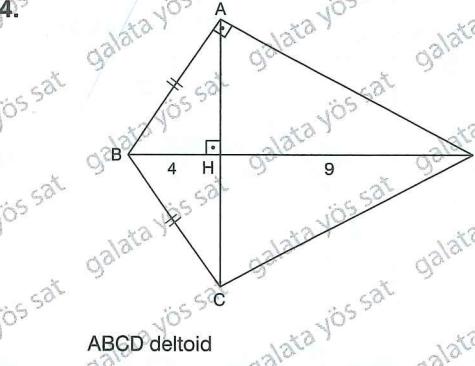


ABCD deltoic

2

- C) 16 D) 17 E) 18

4

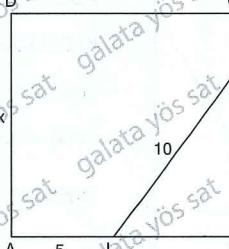


ABCD deltoi

- A) 6 B) $\frac{11}{2}$ C) 5 D) $\frac{9}{2}$ E) 4

Kare / Square

7.



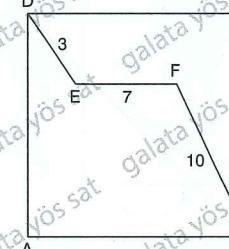
ABCD kare (ABCD square)

$$|AK| = 5 \text{ cm}, |KL| = 10 \text{ cm}, |KC| = 3 \text{ cm}$$

 $\Rightarrow x = ?$

- A) 11 B) 12 C) 13 D) 14 E) 15

10.



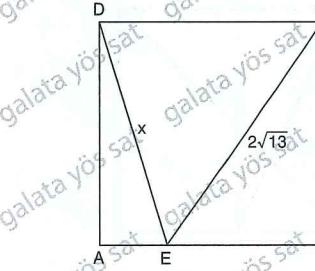
ABCD kare (ABCD square)

$$|DE| = 3 \text{ cm}, |EF| = 7 \text{ cm}, |FB| = 10 \text{ cm}$$

 $\Rightarrow A(ABCD) = ?$

- A) 144 B) 140 C) 121 D) 100 E) 81

8.



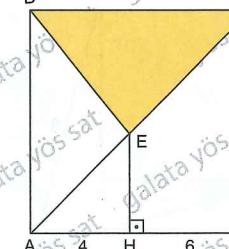
ABCD kare (ABCD square)

$$|CD| = 6 \text{ br}, |EC| = 2\sqrt{13} \text{ br}$$

 $\Rightarrow x = ?$

- A) $\sqrt{38}$ B) $2\sqrt{10}$ C) $3\sqrt{5}$ D) $4\sqrt{3}$ E) $5\sqrt{2}$

11.



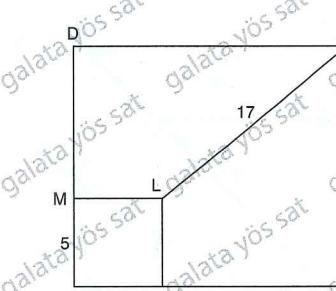
ABCD kare (ABCD square)

$$[EH] \perp [AB], |AH| = 4 \text{ cm}, |HB| = 6 \text{ cm}$$

 $\Rightarrow A(DEC) = ?$

- A) 20 B) 30 C) 35 D) 40 E) 45

9.



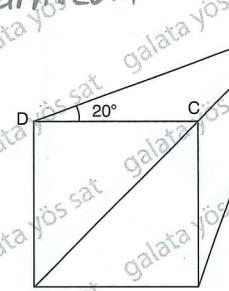
ABCD dikdörtgen (ABCD rectangle)

AKLM kare (AKLM square)

$$|MA| = 5 \text{ cm}, |CL| = 17 \text{ cm}, |BC| = 13 \text{ cm}$$

 $\Rightarrow A(ABCD) = ?$

- A) 195 B) 221 C) 260 D) 273 E) 286

12. *yos learn 20 m*

ABCD-kare (ABCD square)

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

 $\Rightarrow m(\widehat{DEC}) = ?$

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

1-E

2-C

3-D

4-E

5-C

6-E

7-A

8-B

9-C

10-A

11-B

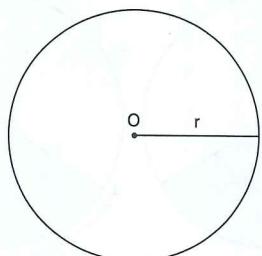
12-A

ÜNITE21

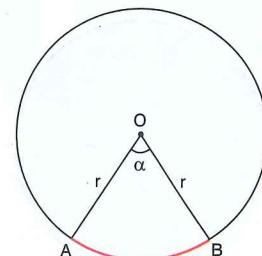
Unit 21

Dairede Alan /
Circle

Dairede Alan / Circle



Çemberin çevresi = $2\pi r$
(The circumference of a circle)



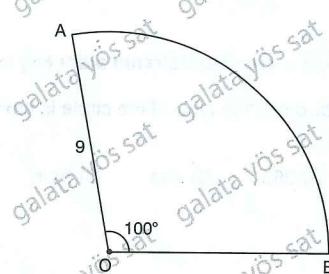
$$|\widehat{AB}| = 2\pi r \cdot \frac{\alpha}{360}$$



O, çemberin merkezi (O, center)
 $|OA| = 3 \text{ cm}$

⇒ Çemberin çevresi kaç cm dir?
(What is the circumference of a circle?)

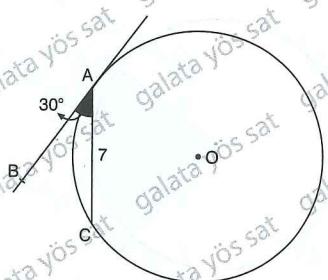
- A) 3π B) 4π C) 6π D) 8π



O, çemberin merkezi (O, center)
 $m(\widehat{AOB}) = 100^\circ$, $|OA| = 9 \text{ cm}$

$$\Rightarrow |\widehat{AB}| = ?$$

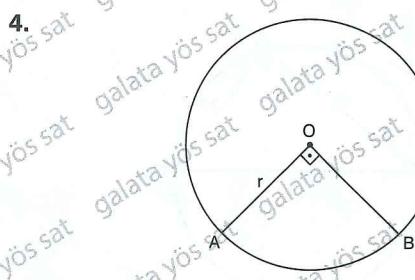
- A) 5π B) 6π C) 9π D) 10π E) 16π



O, çemberin merkezi (O, center)
 $|AC| = 7 \text{ cm}$, $m(\widehat{BAC}) = 30^\circ$

⇒ Çemberin çevresi kaç cm dir?
(What is the circumference of a circle?)

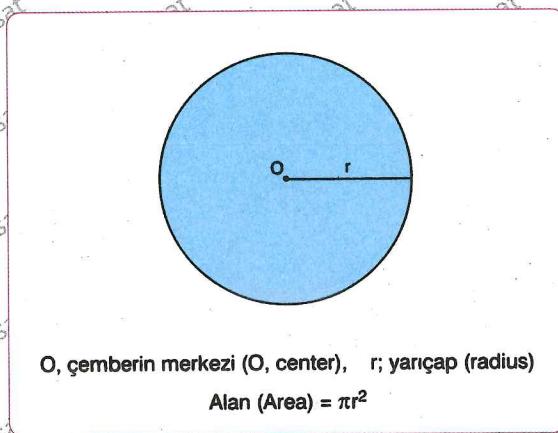
- A) 7 B) 7π C) 14 D) 14π E) 21



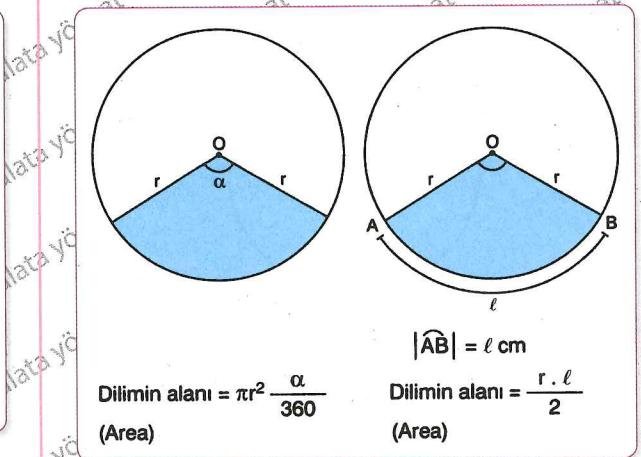
O, çemberin merkezi (O, center)
 $|\widehat{AB}| = 2\pi \text{ cm}$

$$\Rightarrow r = ?$$

- A) 3 B) 4 C) 6 D) 8



O, çemberin merkezi (O, center), r ; yarıçap (radius)



$$\text{Dilimin alanı} = \pi r^2 \frac{\alpha}{360}$$

(Area)

$$|\widehat{AB}| = \ell \text{ cm}$$

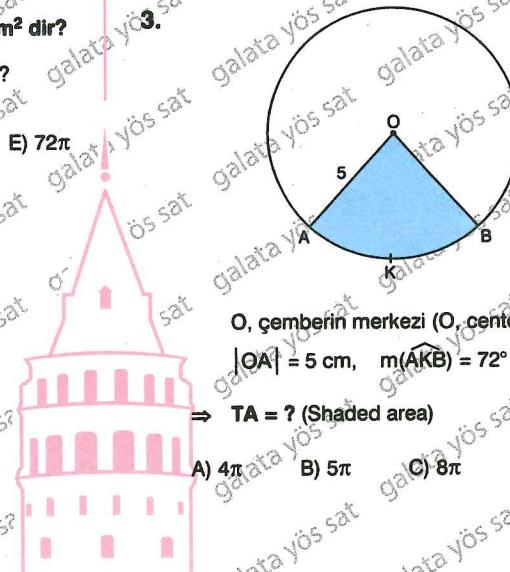
Dilimin alanı = $\frac{r \cdot \ell}{2}$

(Area)

- 1. Çevresi $12\sqrt{2}\pi$ cm olan dairenin alanı kaç cm^2 dir?**

Circle $12\sqrt{2}\pi$ cm is the area of the circle is cm^2 ?

- A) 24π B) 36π C) 48π D) 64π E) 72π

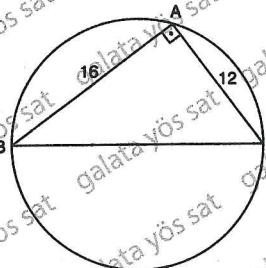


O, çemberin merkezi (O, center)

$$|OA| = 5 \text{ cm}, \quad m(\widehat{AKB}) = 72^\circ$$

⇒ TA = ? (Shaded area)

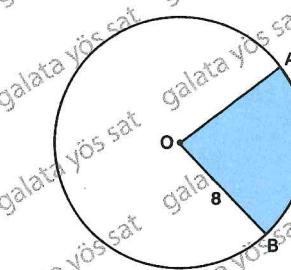
- A) 4π B) 5π C) 8π D) 10π E) 12π



$$[AB] \perp [AC], \quad |AC| = 12 \text{ cm}, \quad |AB| = 16 \text{ cm}$$

Dairenin alanı kaç cm^2 dir?

- A) 30π B) 36π C) 64π D) 80π E)



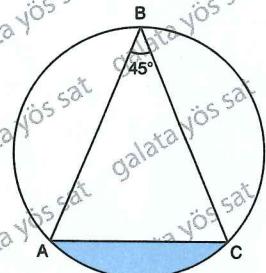
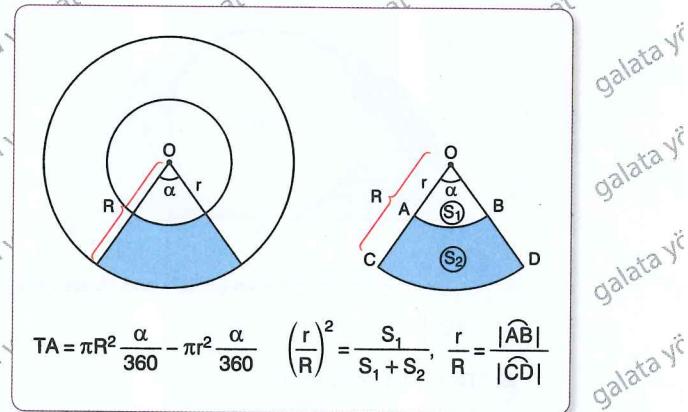
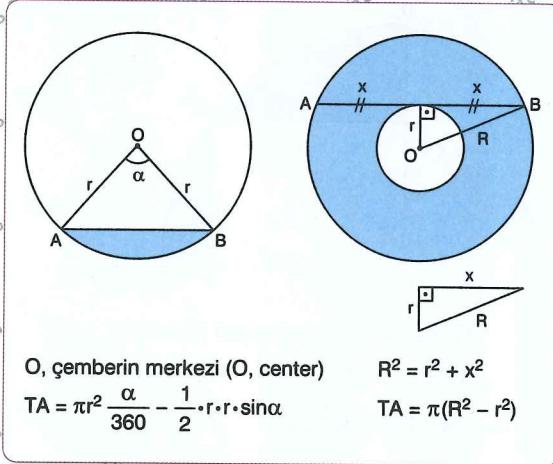
O, çemberin merkezi (O, center)

$$|\widehat{AB}| = 4 \text{ cm}, \quad |OB| = 8 \text{ cm}$$

$\Rightarrow TA = ?$ (Shaded area)

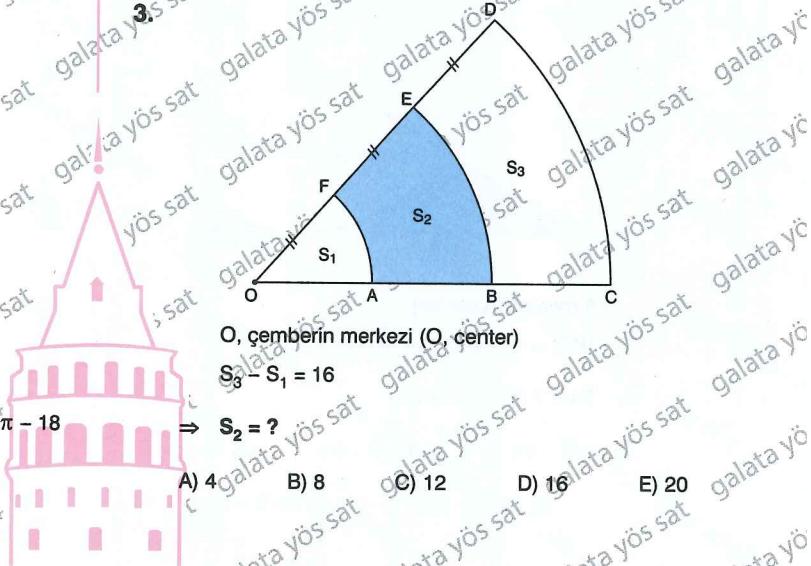
- A) 12 B) 16 C) 18 D) 20 E) 24

Dairede Alan / Circle

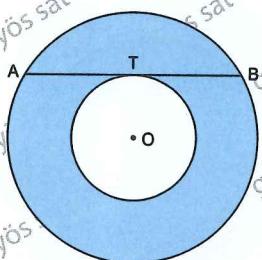


$\Rightarrow TA = ?$ (Shaded area)

- A) $72\pi - 36$ B) $36\pi - 24$ C) $24\pi - 18$
 D) $36\pi - 72$ E) $72\pi - 24$

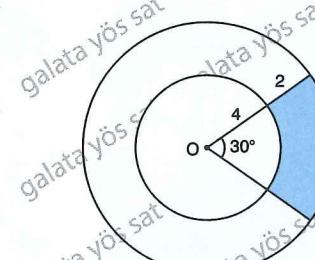


- A) 4 B) 8 C) 12 D) 16 E) 20



$\Rightarrow TA = ?$ (Shaded area)

- A) 16π B) 17π C) 18π D) 20π E) 24π



$\Rightarrow TA = ?$ (Shaded area)

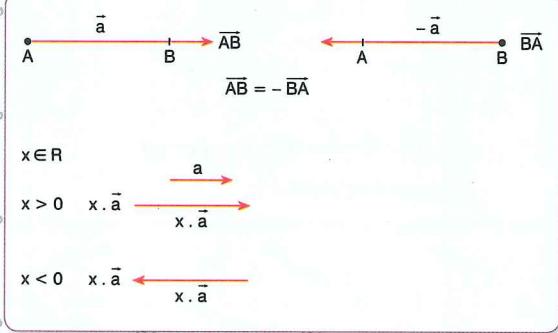
- A) $\frac{5\pi}{3}$ B) $\frac{5\pi}{2}$ C) 5π D) 6π E) 8π

ÜNİTE 28

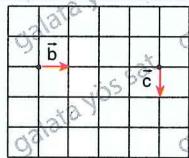
Unit 28

Vektörler /
Vectors

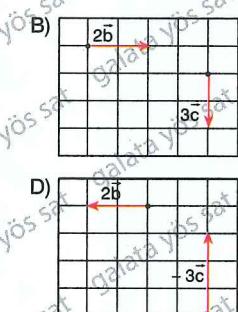
Vektörler / Vectors



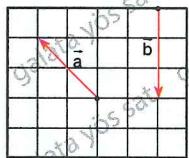
1. $2\vec{b} = ?$



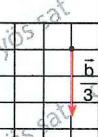
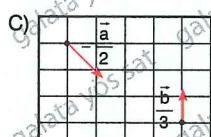
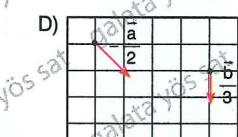
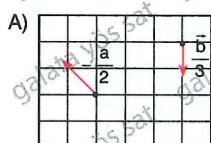
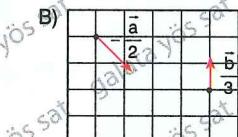
$-3\vec{c} = ?$



2. $-\frac{\vec{a}}{2} = ?$



$\frac{\vec{b}}{3} = ?$

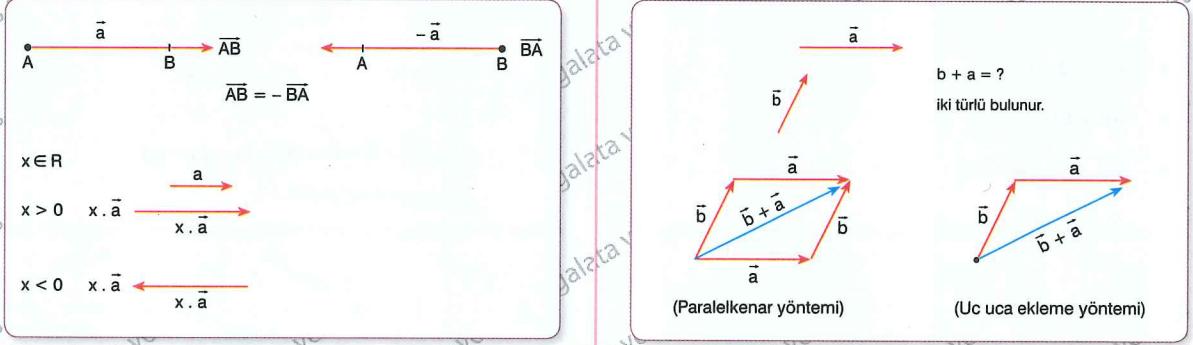


2-E

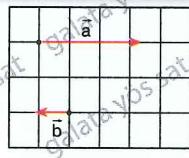
2-C

3-A

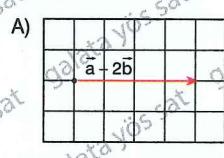
4-B



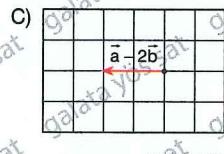
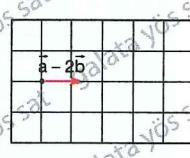
3. $\vec{a} - 2\vec{b} = ?$



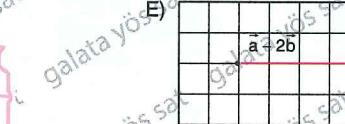
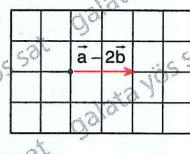
$\vec{a} - 2\vec{b} = ?$



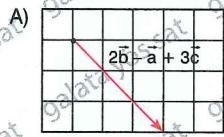
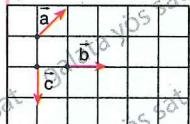
$\vec{a} - 2\vec{b} = ?$



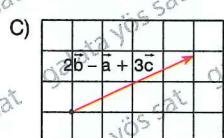
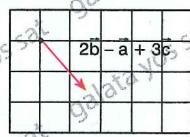
$\vec{a} - 2\vec{b} = ?$



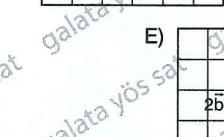
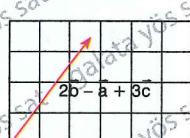
$2\vec{b} - \vec{a} + 3\vec{c} = ?$



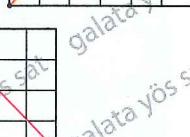
$2\vec{b} - \vec{a} + 3\vec{c} = ?$



$2\vec{b} - \vec{a} + 3\vec{c} = ?$



$2\vec{b} - \vec{a} + 3\vec{c} = ?$

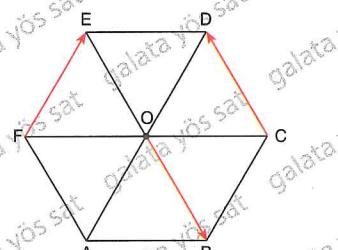


- $\overrightarrow{AB} = \vec{B} - \vec{A}$
- $\overrightarrow{AB} + \overrightarrow{BC} = \overrightarrow{AC}$
- $\overrightarrow{AB} + \overrightarrow{BA} = \overrightarrow{AA} = 0$

$$\overrightarrow{AB} = \vec{B} - \vec{A} = (x_2 - x_1, y_2 - y_1)$$

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1.



ABCDEF altıgen, (ABCDEF hexagon)

$$\Rightarrow \overrightarrow{OB} + \overrightarrow{FE} + \overrightarrow{CB} = ?$$

- A) \overrightarrow{FA} B) \overrightarrow{AF} C) \overrightarrow{FE} D) \overrightarrow{OF}

3.sat

$$\vec{A}(3, -5)$$

$$\vec{B}(-4, 7)$$

$$\Rightarrow \overrightarrow{AB} = ?$$

$$A) (-1, 2)$$

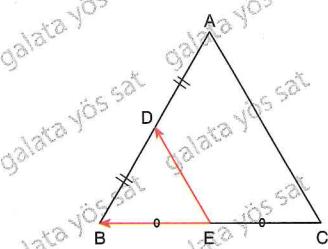
$$B) (1, -2)$$

$$C) (2, -1)$$

$$D) (-7, 12)$$

$$E) (12, -7)$$

2.

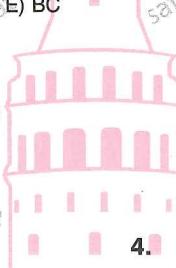


$$|AD| = |DB|$$

$$\Rightarrow \frac{\overrightarrow{BA}}{2} - \frac{\overrightarrow{AC}}{2} + \frac{\overrightarrow{CB}}{2} = ?$$

- A) \overrightarrow{BD} B) \overrightarrow{AD} C) \overrightarrow{BC} D) \overrightarrow{BA} E) \overrightarrow{CA}

4.



$$\overrightarrow{AC}(-4, 2)$$

$$\vec{A}(1, 4)$$

$$\Rightarrow \vec{C}(x, y) = ?$$

$$A) (-6, 3)$$

$$B) (3, -6)$$

$$C) (-3, 6)$$

$$D) (5, 6)$$

$$E) (-3, -6)$$

Vektörler / Vectors

7. $\vec{A} = (3, -6)$

$\vec{B}(4, -8)$

$\vec{C}(3, 8)$

$\vec{D}(n, 6)$

$\Rightarrow \overrightarrow{AB} \parallel \overrightarrow{CD} \Rightarrow n = ?$

A) 2

B) 3

C) 4

D) 5

E) 6

10.

$\langle \vec{A}, \vec{B} \rangle = 10\sqrt{2} \text{ cm}$

$||\vec{A}|| = 2 \text{ cm}$

\vec{A} ve \vec{B} vektörleri arasındaki açı 45° dir.

(The angle between the \vec{A} and \vec{B} vectors is 45° .)

$\Rightarrow ||\vec{B}|| = ?$

A) 5

B) 10

C) 15

D) 16

E) 20

8. $\vec{A} = \left(\frac{x+1}{4}, \frac{x-3}{4} \right)$

\vec{A} birim vektörü ise x in alacağı değerler toplamı kaçtır?

What is the sum of the values that x will take if the unit vector is \vec{A} ?

A) 2

B) 2

C) 3

D) 4

E) 5

11.

$\vec{A} = (8, x+2)$

$\vec{B} = (x, 6)$

$\Rightarrow \overrightarrow{AB} \perp \vec{B} \Rightarrow \sum x = ?$

A) 10

B) -12

C) 14

D) 16

E) 18

9. $\vec{A} = 3\vec{e}_2 - \vec{e}_1$

$\vec{B} = \vec{e}_1 + 4\vec{e}_2$

$\Rightarrow \overrightarrow{AB} = ?$

A) $-2\vec{e}_1 + \vec{e}_2$

B) $2\vec{e}_1 + 5\vec{e}_2$

C) $-2\vec{e}_1 + 5\vec{e}_2$

D) $\vec{e}_1 - 4\vec{e}_2$

12.

$\vec{A} = (3, -3)$

$\vec{B} = (a, a+b)$

$\Rightarrow \vec{A} \parallel \vec{B} \Rightarrow \frac{b}{a} = ?$

A) -3

B) -2

C) -1

D) 1

E) 3

1-A

2-C

3-C

4-A

5-E

6-B

7-C

8-D

9-C

10-B

11-C

12-B