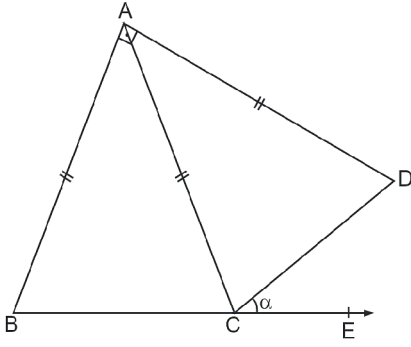


1

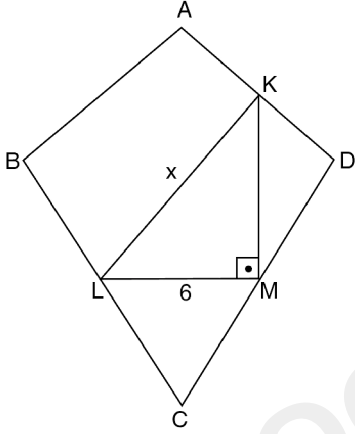


ABCD bir dörtgen
 $[AB] \perp [AD]$
 $|AB| = |AC| = |AD|$

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

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

2

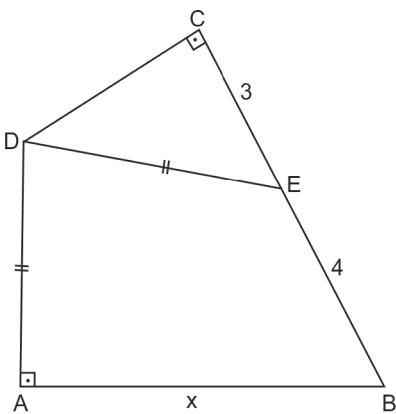


ABCD bir dörtgen
 K, M, L orta noktalar
 $|LM| = 6$ cm
 $\text{Alan}(ABCD) = 96 \text{ cm}^2$

Yukarıdaki verilere göre, $|KL| = x$ kaç cm dir?

- A) 14 B) 13 C) 12 D) 11 E) 10

3

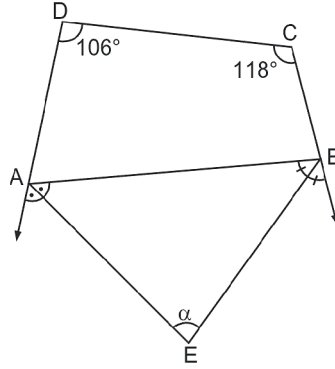


ABCD bir dörtgen
 $[DA] \perp [AB]$
 $[CD] \perp [BC]$
 $|AD| = |DE|$
 $|CE| = 3$ cm
 $|BE| = 4$ cm

Yukarıdaki verilere göre, $|AB| = x$ kaç cm dir?

- A) 6 B) $2\sqrt{10}$ C) $2\sqrt{11}$ D) $3\sqrt{5}$ E) $4\sqrt{3}$

4

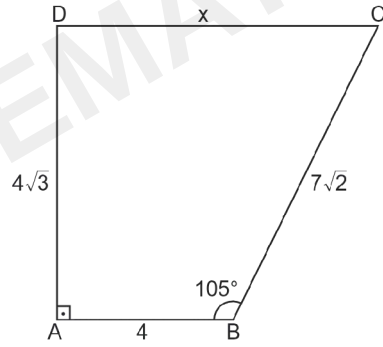


ABCD bir dörtgen
 $[AE], [BE]$ açıortay
 $m(\widehat{ADC}) = 106^\circ$
 $m(\widehat{DCB}) = 118^\circ$

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

- A) 64 B) 68 C) 72 D) 76 E) 78

5

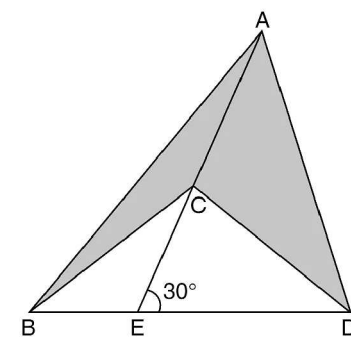


ABCD bir dörtgen
 $[AD] \perp [AB]$
 $|AD| = 4\sqrt{3}$ cm
 $|AB| = 4$ cm
 $|BC| = 7\sqrt{2}$ cm
 $m(\widehat{ABC}) = 105^\circ$

Yukarıdaki verilere göre, $|DC| = x$ kaç cm dir?

- A) $5\sqrt{2}$ B) 8 C) $6\sqrt{2}$ D) 9 E) $3\sqrt{10}$

6

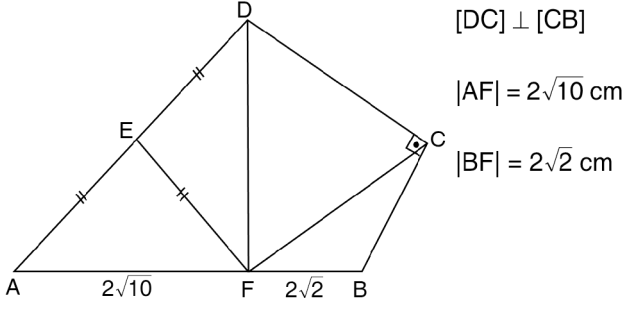


ABCD bir dörtgen
 $m(\widehat{AED}) = 30^\circ$
 $|AC| = 2$ cm
 $|BD| = 6$ cm

Yukarıdaki verilere göre, $\text{Alan}(ABCD)$ kaç cm^2 dir?

- A) 12 B) 9 C) 6 D) 3 E) 1

7

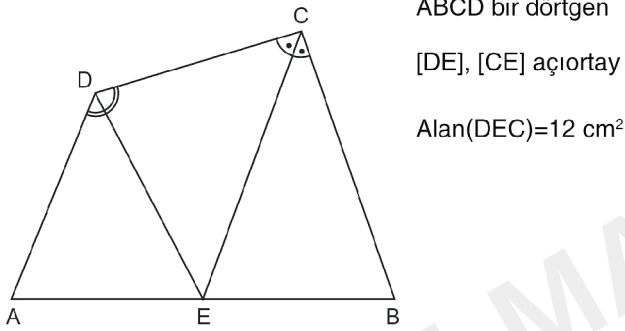


ABCD bir dörtgen ve DFC eşkenar üçgendir.

$|DE| = |EA| = |EF|$ olduğuna göre, $|EF|$ kaç cm dir?

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

8

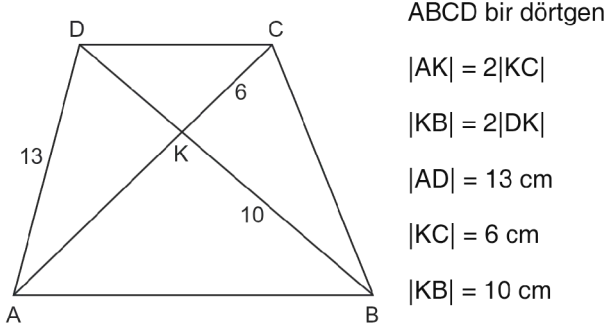


$$4|AD| = 6|DC| = 3|BC|$$

Yukarıdaki verilere göre, $\text{Alan}(ABCD)$ kaç cm^2 dir?

- A) 36 B) 42 C) 54 D) 60 E) 64

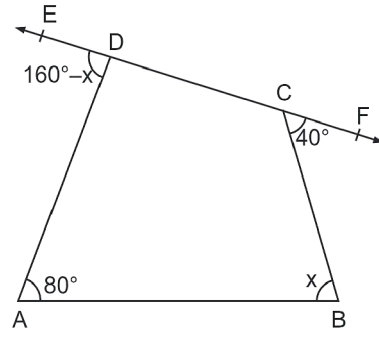
9



Yukarıdaki verilere göre, $\text{Alan}(ABCD)$ kaç cm^2 dir?

- A) 100 B) 105 C) 120 D) 135 E) 150

10



ABCD bir dörtgen

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

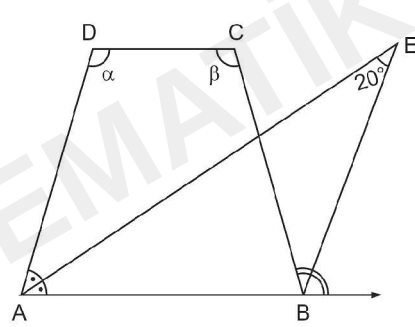
$$m(\widehat{BCF}) = 40^\circ$$

$$m(\widehat{ADE}) = 160^\circ - x$$

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

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

11



ABCD bir dörtgen

$$m(\widehat{ADC}) = \alpha$$

$$m(\widehat{BCD}) = \beta$$

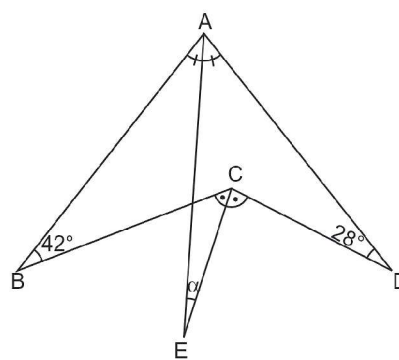
$$m(\widehat{AEB}) = 20^\circ$$

$$\alpha - \beta = 28^\circ$$

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

- A) 121 B) 124 C) 125 D) 127 E) 128

12



ABCD bir dörtgen

$[AE], [CE]$ açıortay

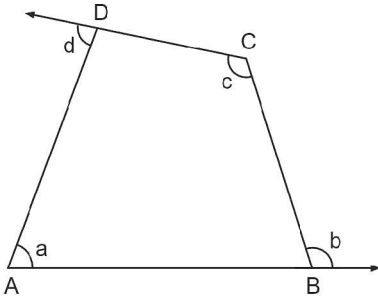
$$m(\widehat{ABC}) = 42^\circ$$

$$m(\widehat{ADC}) = 28^\circ$$

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

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

13

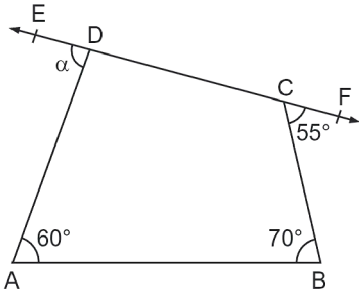


ABCD bir dörtgen

Yukarıdaki verilere göre, a, b, c, d arasındaki bağıntı aşağıdakilerden hangisidir?

- A) $a + b + c + d = 360^\circ$ B) $a + c = b + d$
 C) $a + d = b + c$ D) $a + b = c + d$
 E) $a + d + c = b$

14



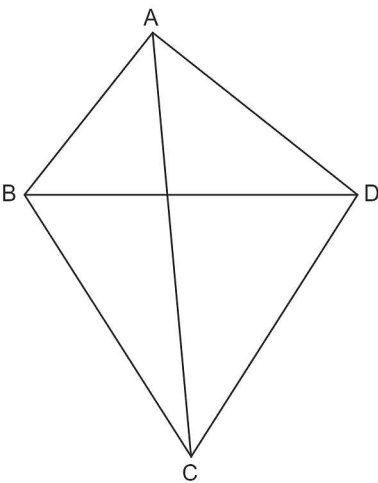
ABCD bir dörtgen

$$\begin{aligned} m(\widehat{DAB}) &= 60^\circ \\ m(\widehat{ABC}) &= 70^\circ \\ m(\widehat{BCF}) &= 55^\circ \end{aligned}$$

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

- A) 75 B) 80 C) 85 D) 90 E) 95

15



ABCD bir dörtgen

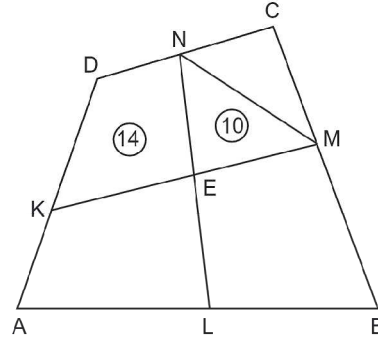
$$|AC| = 12 \text{ cm}$$

$$|BD| = 10 \text{ cm}$$

Yukarıdaki verilere göre, ABCD dörtgeninin alanının en büyük değeri kaç cm^2 dir?

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

16



ABCD bir dörtgen

K, L, M, N orta

noktalar

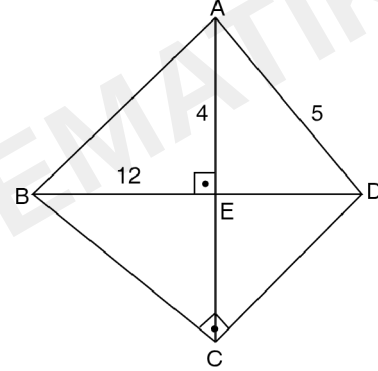
$$\text{Alan}(\text{EMN}) = 10 \text{ cm}^2$$

$$\text{Alan}(\text{KEND}) = 14 \text{ cm}^2$$

Yukarıdaki verilere göre, $\text{Alan}(\text{BMEL})$ kaç cm^2 dir?

- A) 20 B) 22 C) 24 D) 26 E) 28

17



ABCD bir dörtgen

$$[AC] \perp [BD]$$

$$|AD| = 5 \text{ cm}$$

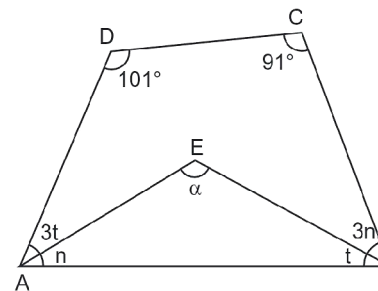
$$|AE| = 4 \text{ cm}$$

$$|BE| = 12 \text{ cm}$$

Yukarıdaki verilere göre, $A(\text{ABCD})$ kaç cm^2 dir?

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

18



ABCD bir dörtgen

$$m(\widehat{ADC}) = 101^\circ$$

$$m(\widehat{BCD}) = 91^\circ$$

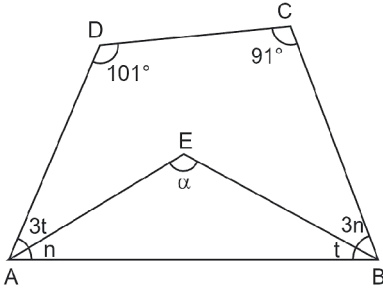
$$m(\widehat{DAE}) = 3m(\widehat{ABE})$$

$$m(\widehat{CBE}) = 3m(\widehat{BAE})$$

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

- A) 128 B) 130 C) 132 D) 133 E) 138

19



ABCD bir dörtgen

$$m(\widehat{ADC}) = 101^\circ$$

$$m(\widehat{BCD}) = 91^\circ$$

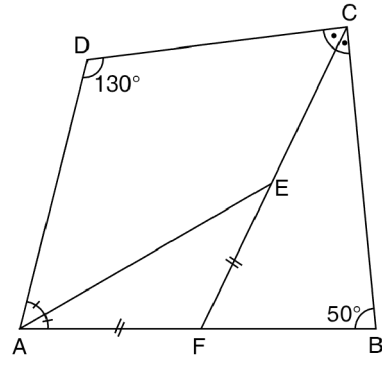
$$m(\widehat{DAE}) = 3m(\widehat{ABE})$$

$$m(\widehat{CBE}) = 3m(\widehat{BAE})$$

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

- A) 128 B) 130 C) 132 D) 133 E) 138

22



ABCD bir dörtgen

[AE], [CF] açıortay

$$|EF| = |AF|$$

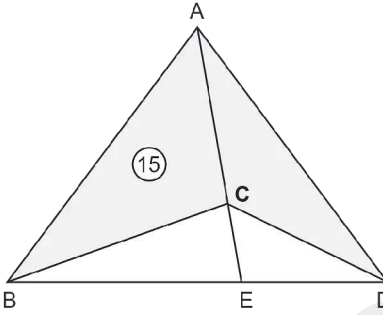
$$m(\widehat{ADC}) = 130^\circ$$

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

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

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

20



ABCD bir dörtgen

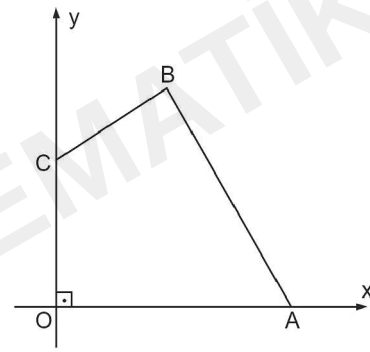
$$2|BE| = 3|ED|$$

$$\text{Alan}(\triangle ABC) = 15 \text{ cm}^2$$

Yukarıdaki verilere göre, $\text{Alan}(\triangle ABCD)$ kaç cm^2 dir?

- A) 20 B) 24 C) 25 D) 28 E) 30

23



$$A(5, 0)$$

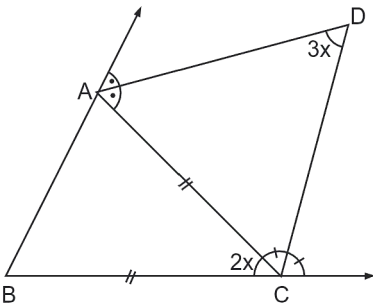
$$B(3, 6)$$

$$C(0, 4)$$

Yukarıdaki verilere göre, $\text{Alan}(\triangle OABC)$ kaç birim-karedir?

- A) 20 B) 21 C) 22 D) 23 E) 24

21



ABCD bir dörtgen

[AD], [CD] açıortay

$$|AC| = |BC|$$

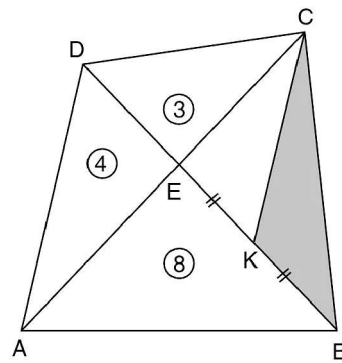
$$m(\widehat{ADC}) = 3x$$

$$m(\widehat{BCA}) = 2x$$

Yukarıdaki verilere göre, x kaçtır?

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

24



ABCD bir dörtgen

[AC] ve [BD] köşegen

$$|EK| = |KB|$$

$$\text{Alan}(\triangle DEC) = 3 \text{ cm}^2$$

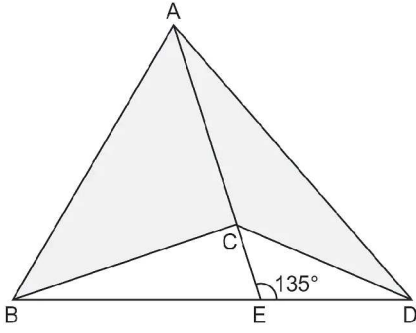
$$\text{Alan}(\triangle ADE) = 4 \text{ cm}^2$$

$$\text{Alan}(\triangle AEB) = 8 \text{ cm}^2$$

Yukarıdaki verilere göre, $\text{Alan}(\triangle KCB)$ kaç cm^2 dir?

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

25



ABCD bir dörtgen

$$|AC| = 6\sqrt{2} \text{ cm}$$

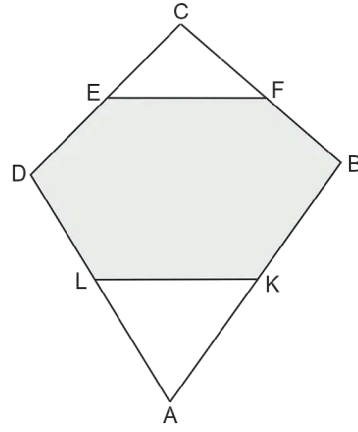
$$|BD| = 12 \text{ cm}$$

$$m(\widehat{AED}) = 135^\circ$$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

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

28



ABCD bir dörtgen

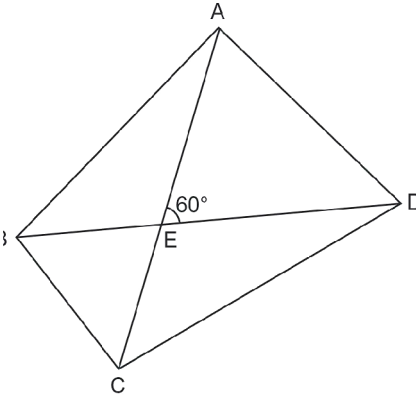
E, F, K, L orta noktalar

$$\text{Alan}(\text{DLKBFE}) = 48 \text{ cm}^2$$

Buna göre, Alan(KAL) + Alan(CEF) kaç cm^2 dir?

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

26



ABCD bir dörtgen

$$|AC| = 12 \text{ cm}$$

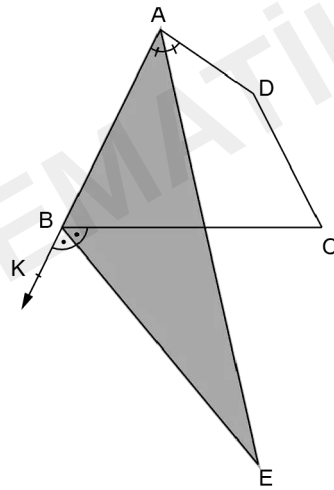
$$|BD| = 13 \text{ cm}$$

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

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) $24\sqrt{3}$ B) $27\sqrt{3}$ C) $33\sqrt{3}$ D) $36\sqrt{3}$ E) $39\sqrt{3}$

29



ABCD bir dörtgen

[AE], [BE] açıortay

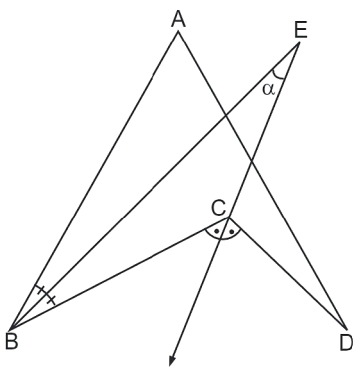
$$|AE| = 12 \text{ cm}$$

$$|BE| = 8 \text{ cm}$$

Yukarıdaki şekilde $m(\widehat{ADC}) + m(\widehat{BCD}) = 240^\circ$ olduğuna göre, Alan(ABE) kaç cm^2 dir?

- A) 18 B) 20 C) 24 D) 32 E) 36

27



ABCD bir dörtgen

[BE], [EC] açıortay

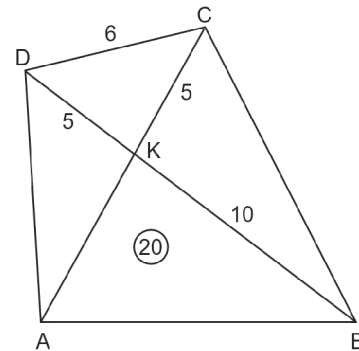
$$m(\widehat{BAD}) = 39^\circ - x$$

$$m(\widehat{ADC}) = 13^\circ + x$$

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

- A) 26 B) 21 C) 18 D) 15 E) 13

30



ABCD bir dörtgen

$$|DC| = 6 \text{ cm}$$

$$|DK| = |KC| = 5 \text{ cm}$$

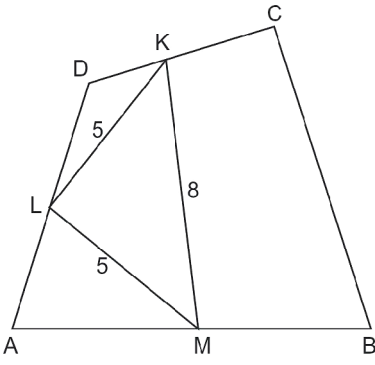
$$|KB| = 10 \text{ cm}$$

$$\text{Alan}(\text{KAB}) = 20 \text{ cm}^2$$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) 66 B) 72 C) 78 D) 84 E) 90

31

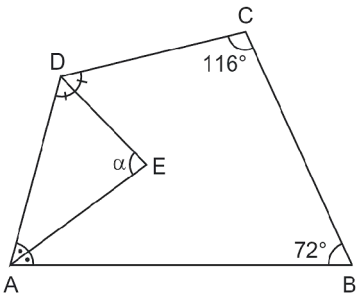


ABCD bir dörtgen
K, L, M orta
noktalar
 $|KL| = |LM| = 5 \text{ cm}$
 $|KM| = 8 \text{ cm}$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) 36 B) 40 C) 42 D) 48 E) 52

32

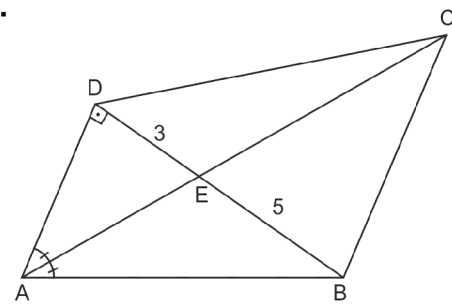


ABCD bir dörtgen
 $m(\widehat{ABC}) = 72^\circ$
 $m(\widehat{BCD}) = 116^\circ$
[AE], [DE] açıortay

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

- A) 84 B) 86 C) 88 D) 92 E) 94

33

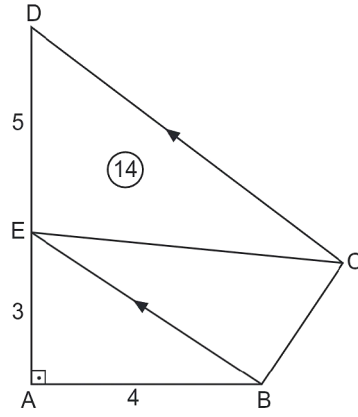


ABCD bir dörtgen
[AC] açıortay
 $[AD] \perp [DB]$
 $[AD] \parallel [BC]$
 $|DE| = 3 \text{ cm}$
 $|BE| = 5 \text{ cm}$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) 72 B) 64 C) 56 D) 48 E) 40

34

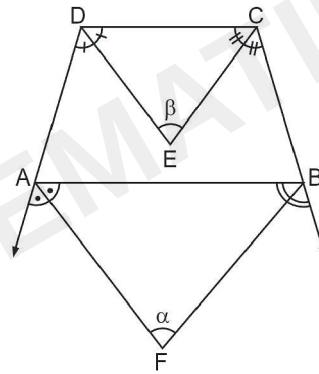


ABCD bir dörtgen
 $[AD] \perp [AB]$
 $[BE] \parallel [DC]$
 $|DE| = 5 \text{ cm}$
 $|EA| = 3 \text{ cm}$
 $|AB| = 4 \text{ cm}$
Alan(DEC) = 14 cm^2

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) 30 B) 28 C) 26 D) 24 E) 20

35



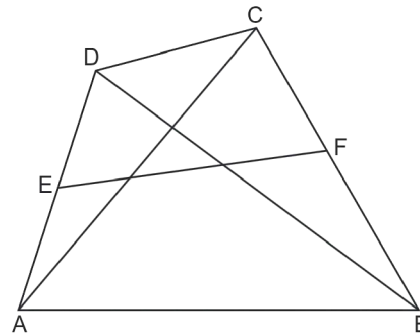
ABCD bir dörtgen
 $m(\widehat{AFB}) = \alpha$
 $m(\widehat{DEC}) = \beta$

[AF], [BF], [DE], [CE] açıortay

Yukarıdaki verilere göre, $\frac{\alpha}{\beta}$ oranı kaçtır?

- A) $\frac{1}{2}$ B) $\frac{2}{3}$ C) 1 D) $\frac{4}{3}$ E) $\frac{3}{2}$

36

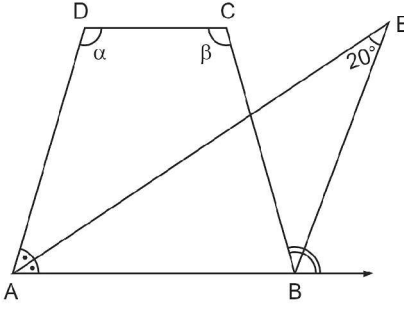


ABCD bir dörtgen
E, F orta noktalar
 $|AC| = 10 \text{ cm}$
 $|BD| = 12 \text{ cm}$
 $|EF| = 7 \text{ cm}$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) 42 B) 60 C) $24\sqrt{6}$ D) 84 E) $36\sqrt{6}$

37



ABCD bir dörtgen

$m(\widehat{ADC}) = \alpha$

$m(\widehat{BCD}) = \beta$

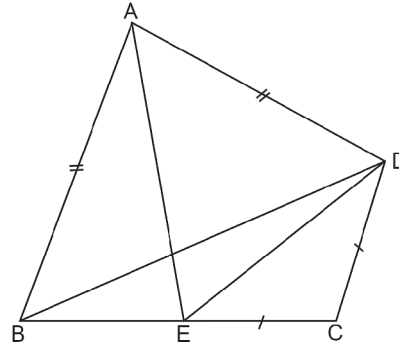
$m(\widehat{AEB}) = 20^\circ$

$\alpha - \beta = 28^\circ$

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

- A) 121 B) 124 C) 125 D) 127 E) 128

40



ABCD bir dörtgen

AED eşkenar üçgen

$|AB| = |AD|$

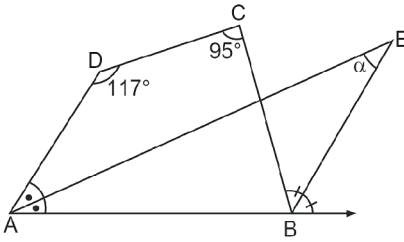
$|EC| = |CD|$

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

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

- A) 30 B) 36 C) 42 D) 46 E) 50

38



ABCD bir dörtgen

[AE], [BE]

açıortay

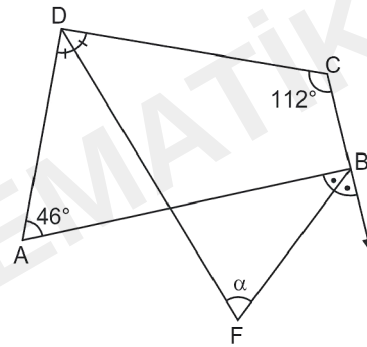
$m(\widehat{ADC}) = 117^\circ$

$m(\widehat{BCD}) = 95^\circ$

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

- A) 28 B) 26 C) 22 D) 18 E) 16

41



ABCD bir dörtgen

[DF], [BF] açıortay

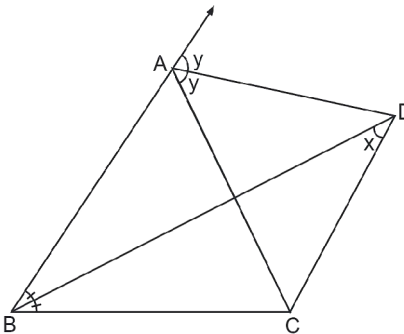
$m(\widehat{BAD}) = 46^\circ$

$m(\widehat{BCD}) = 112^\circ$

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

- A) 57 B) 59 C) 61 D) 63 E) 65

39



ABCD bir dörtgen

[AD], [BD] açıortay

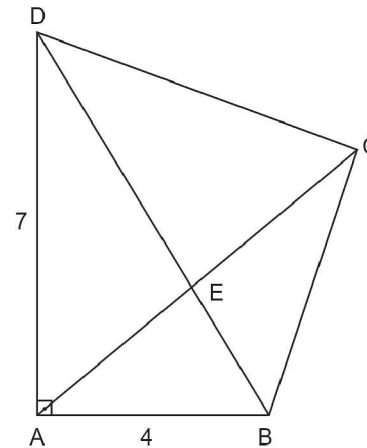
$m(\widehat{CAD}) = y$

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

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

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

42



ABCD bir dörtgen

 $[AD] \perp [AB]$

$3|AE| = 2|EC|$

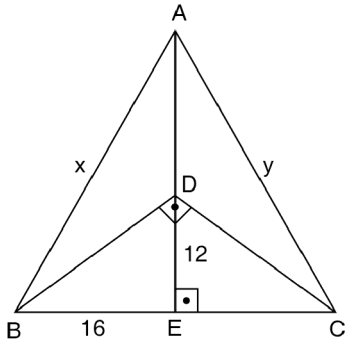
$|AB| = 4 \text{ cm}$

$|AD| = 7 \text{ cm}$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) 42 B) 35 C) 28 D) 24 E) 21

43



ABC bir üçgen

$[AE] \perp [BC]$

$[BD] \perp [DC]$

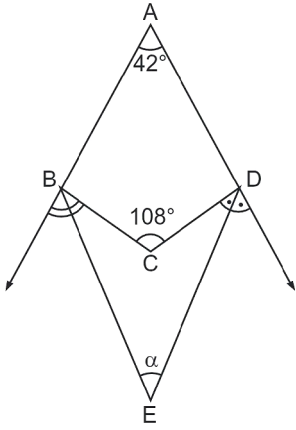
$|DE| = 12 \text{ cm}$

$|BE| = 16 \text{ cm}$

Yukarıdaki verilere göre, $x^2 - y^2$ kaç cm^2 dir?

- A) 200 B) 185 C) 175 D) 170 E) 150

44



ABCD bir dörtgen

 $[BE], [DE]$ açıortay

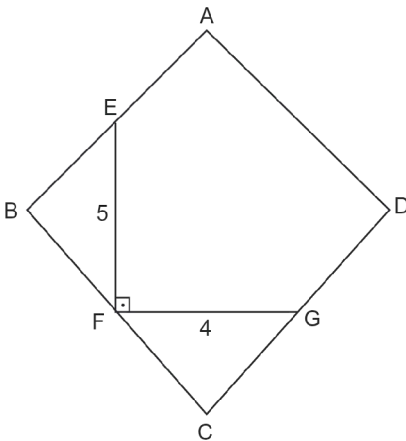
$m(\widehat{BAD}) = 42^\circ$

$m(\widehat{BCD}) = 108^\circ$

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

- A) 23 B) 27 C) 29 D) 33 E) 35

45



ABCD bir dörtgen

E, F, G orta noktalar

$[EF] \perp [FG]$

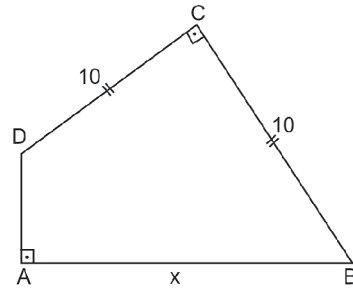
$|EF| = 5 \text{ cm}$

$|FG| = 4 \text{ cm}$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

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

46



ABCD bir dörtgen

$[DA] \perp [AB]$

$[DC] \perp [BC]$

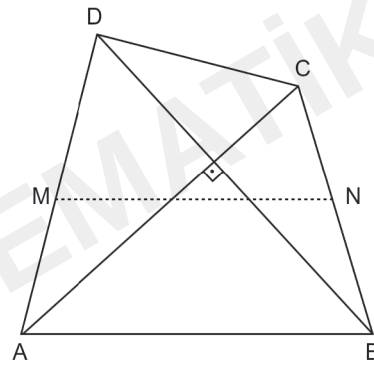
$|DC| = |BC| = 10 \text{ cm}$

$\text{Ç}(ABCD) = 36 \text{ cm}$

Yukarıdaki verilere göre, $|AB| = x$ kaç cm dir?

- A) 10 B) 12 C) 14 D) 16 E) 18

47



ABCD bir dörtgen

M, N orta noktalar

$[AC] \perp [BD]$

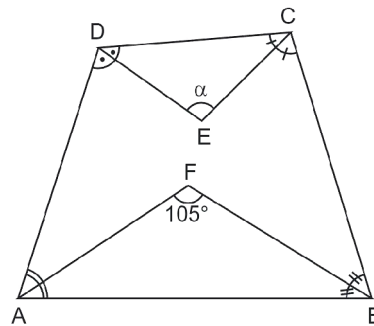
$|AC| = 32 \text{ cm}$

$|BD| = 24 \text{ cm}$

Yukarıdaki verilere göre, $|MN|$ kaç cm dir?

- A) 16 B) 18 C) 20 D) 24 E) 25

48



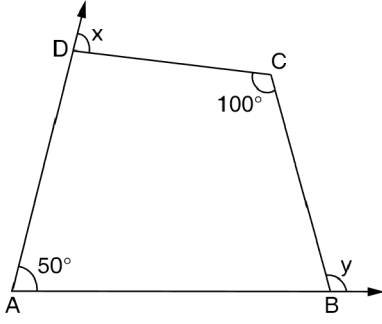
ABCD bir dörtgen

$m(\widehat{AFB}) = 105^\circ$

 $[AF], [BF], [DE], [CE]$ açıortayYukarıdaki verilere göre, $m(\widehat{DEC}) = \alpha$ kaç derecedir?

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

49



ABCD bir dörtgen

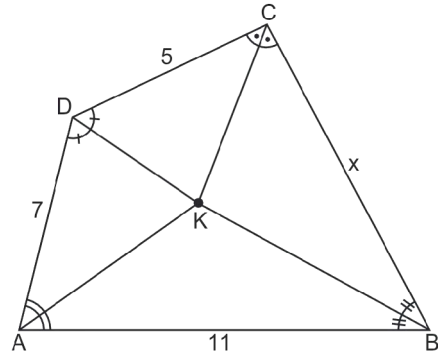
$$m(\widehat{BCD}) = 100^\circ$$

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

Yukarıdaki verilen açı ölçülerine göre, $x + y$ kaç derecedir?

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

52



ABCD dörtgen

$$|DC| = 5 \text{ cm}$$

$$|AD| = 7 \text{ cm}$$

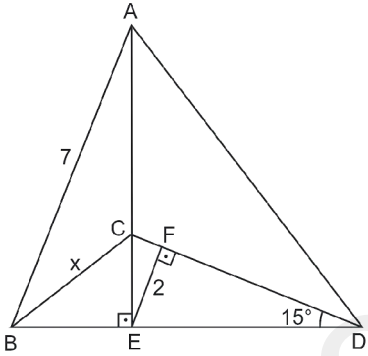
$$|AB| = 11 \text{ cm}$$

K, ABCD dörtgeninin iç açıortaylarının kesim noktası

Yukarıdaki verilere göre, $|BC| = x$ kaç cm dir?

- A) 8 B) 8,5 C) 9 D) 9,5 E) 10

50



ABCD bir dörtgen

$$[AE] \perp [BD]$$

$$[EF] \perp [CD]$$

$$m(\widehat{BDC}) = 15^\circ$$

$$|EF| = 2 \text{ cm}$$

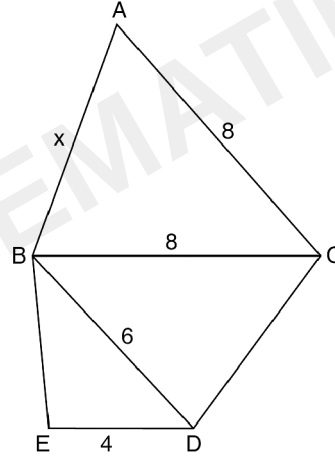
$$|AB| = 7 \text{ cm}$$

$$|AD| = |DC| + 2 \text{ cm}$$

Yukarıdaki verilere göre, $|BC| = x$ kaç cm dir?

- A) 3 B) $\sqrt{10}$ C) $2\sqrt{3}$ D) $\sqrt{13}$ E) 4

53



$$[AC] \parallel [BD]$$

$$[BC] \parallel [ED]$$

$$|AC| = |BC| = 8 \text{ cm}$$

$$|ED| = 4 \text{ cm}$$

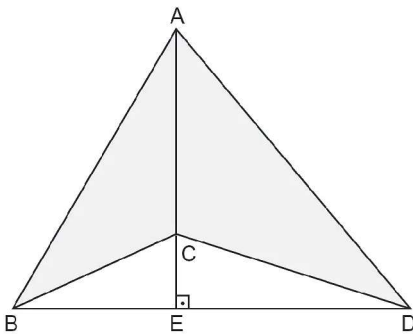
$$|BD| = 6 \text{ cm}$$

$$A(BED) = 6\sqrt{3} \text{ cm}^2$$

Yukarıdaki verilere göre, $|AB|$ kaç cm dir?

- A) 4 B) 6 C) 8 D) $8\sqrt{2}$ E) $8\sqrt{3}$

51



ABCD bir dörtgen

$$[AE] \perp [BD]$$

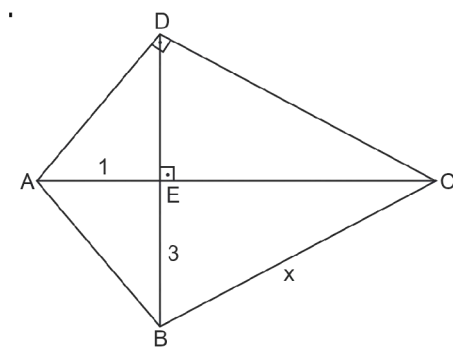
$$|AC| = 6 \text{ cm}$$

$$|BD| = 10 \text{ cm}$$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) 25 B) 28 C) 30 D) 32 E) 35

54



ABCD dörtgen

$$[AC] \perp [BD]$$

$$[AD] \perp [DC]$$

$$|DC| = 2|AD|$$

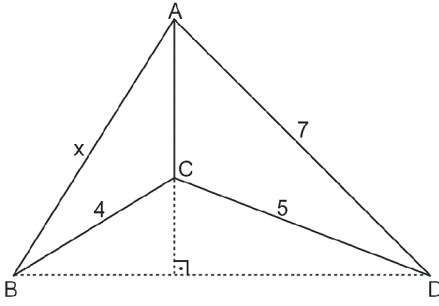
$$|AE| = 1 \text{ cm}$$

$$|BE| = 3 \text{ cm}$$

Yukarıdaki verilere göre, $|BC| = x$ kaç cm dir?

- A) $3\sqrt{2}$ B) $2\sqrt{5}$ C) $\sqrt{21}$ D) 5 E) $2\sqrt{7}$

55



ABCD dörtgen

$AC \perp BD$

$|BC| = 4 \text{ cm}$

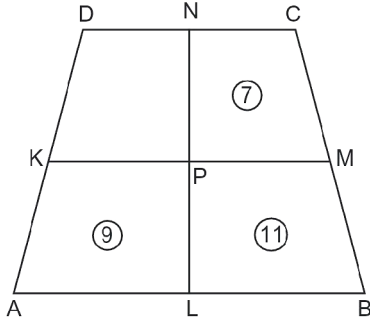
$|CD| = 5 \text{ cm}$

$|AD| = 7 \text{ cm}$

Yukarıdaki verilere göre, $|AB| = x$ kaç cm dir?

- A) $\sqrt{15}$ B) 4 C) 5 D) $2\sqrt{10}$ E) $3\sqrt{5}$

56



ABCD bir dörtgen

K, L, M, N

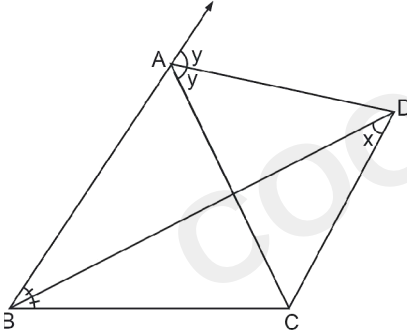
orta noktalar

Şekildeki sayılar içinde bulundukları dörtgenlerin alanıdır

Buna göre, Alan(DKPN) kaç birimkaredir?

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

57



ABCD bir dörtgen

 $[AD], [BD]$ açıortay

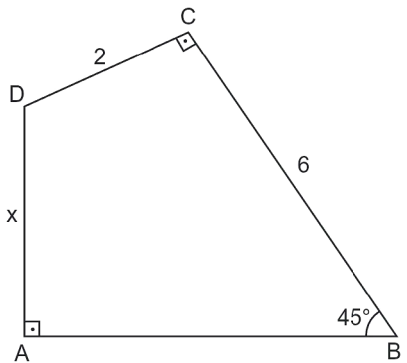
$m(\widehat{CAD}) = y$

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

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

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

58



ABCD bir dörtgen

$[AD] \perp [AB]$

$[CD] \perp [CB]$

$|DC| = 2 \text{ cm}$

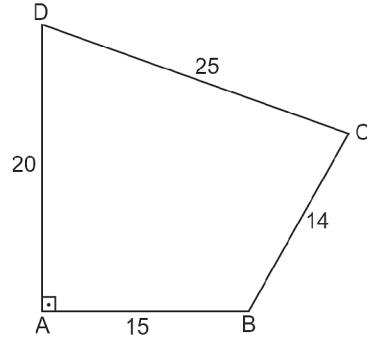
$|CB| = 6 \text{ cm}$

$m(\widehat{ABC}) = 45^\circ$

Yukarıdaki verilere göre, $|AD| = x$ kaç cm dir?

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

59



ABCD bir dörtgen

$[AD] \perp [AB]$

$|AB| = 15 \text{ cm}$

$|BC| = 14 \text{ cm}$

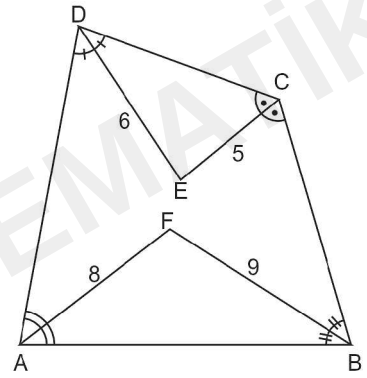
$|DC| = 25 \text{ cm}$

$|AD| = 20 \text{ cm}$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) 296 B) 308 C) 318 D) 334 E) 340

60



ABCD bir dörtgen

$|DE| = 6 \text{ cm}$

$|EC| = 5 \text{ cm}$

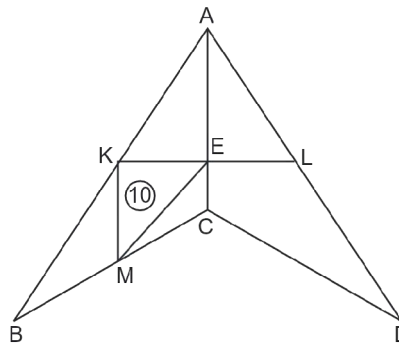
$|AF| = 8 \text{ cm}$

$|FB| = 9 \text{ cm}$

 $[AF], [BF], [DE], [EC]$ açıortaylarYukarıdaki verilere göre, $\frac{\text{Alan}(ABF)}{\text{Alan}(DEC)}$ oranı kaçtır?

- A) 2,5 B) 2,4 C) 2,1 D) 2 E) 1,9

61



ABCD bir dörtgen

K, L, M orta

noktalar

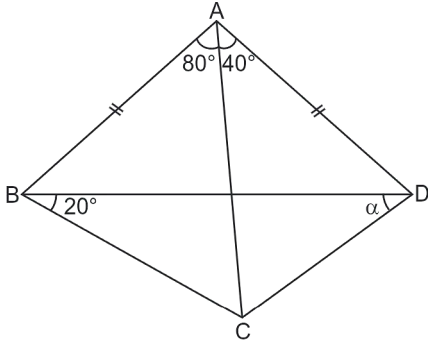
$3|KE| = 2|EL|$

$\text{Alan}(MKE) = 10 \text{ cm}^2$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) 60 B) 75 C) 80 D) 100 E) 120

62



ABCD dörtgen

$$|AB| = |AD|$$

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

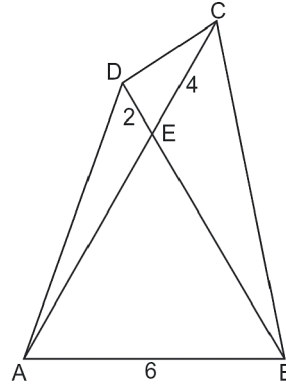
$$m(\widehat{BAC}) = 80^\circ$$

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

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

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

65



ABCD bir dörtgen

AEB eşkenar
üçgen

$$|AB| = 6 \text{ cm}$$

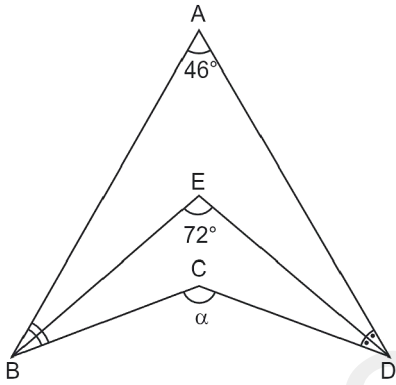
$$|EC| = 4 \text{ cm}$$

$$|DE| = 2 \text{ cm}$$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) $16\sqrt{3}$ B) $18\sqrt{3}$ C) $20\sqrt{3}$ D) $24\sqrt{3}$ E) $25\sqrt{3}$

63



ABCD bir dörtgen

[BE], [DE] açıortay

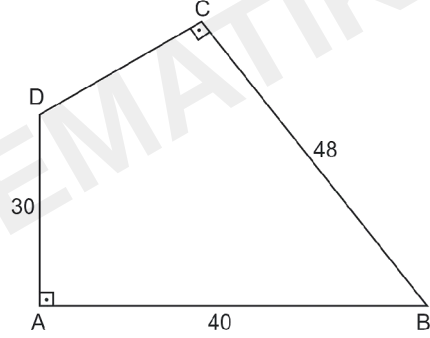
$$m(\widehat{BAD}) = 46^\circ$$

$$m(\widehat{BED}) = 72^\circ$$

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

- A) 96 B) 98 C) 100 D) 102 E) 104

66



ABCD dörtgen

$$[DA] \perp [AB]$$

$$[DC] \perp [BC]$$

$$|AD| = 30 \text{ cm}$$

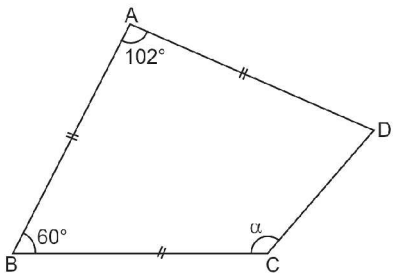
$$|AB| = 40 \text{ cm}$$

$$|BC| = 48 \text{ cm}$$

Yukarıdaki verilere göre, Çevre(ABCD) kaç cm dir?

- A) 132 B) 138 C) 140 D) 144 E) 150

64



ABCD bir dörtgen

$$|AB| = |BC| = |AD|$$

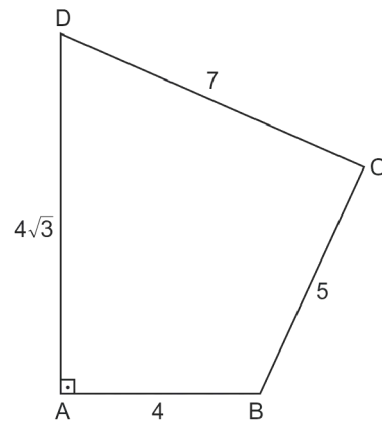
$$m(\widehat{ABC}) = 60^\circ$$

$$m(\widehat{BAD}) = 102^\circ$$

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

- A) 112 B) 115 C) 119 D) 125 E) 129

67



ABCD bir dörtgen

$$[AD] \perp [AB]$$

$$|AB| = 4 \text{ cm}$$

$$|BC| = 5 \text{ cm}$$

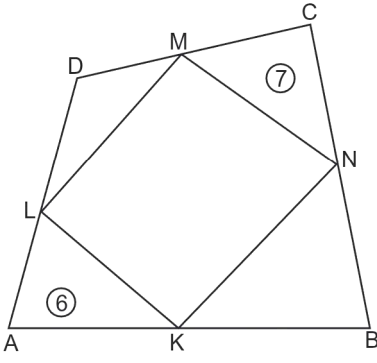
$$|DC| = 7 \text{ cm}$$

$$|AD| = 4\sqrt{3} \text{ cm}$$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) 36 B) $12\sqrt{3}$ C) 48 D) 64 E) $18\sqrt{3}$

68

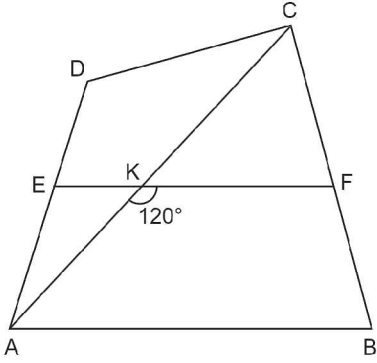


ABCD bir dörtgen
K, L, M ve N orta noktalar
Alan(CMN) = 7 cm²
Alan(AKL) = 6 cm²

Yukarıdaki verilere göre, Alan(ABCD) kaç cm² dir?

- A) 39 B) 42 C) 46 D) 52 E) 56

69

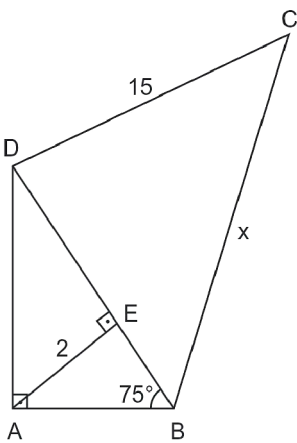


ABCD bir dörtgen
E, F orta noktalar
 $|EF| = 6\sqrt{3}$ cm
 $|AC| = 12$ cm
 $m(\widehat{AKF}) = 120^\circ$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm² dir?

- A) $36\sqrt{3}$ B) 54 C) 72 D) 96 E) 108

70

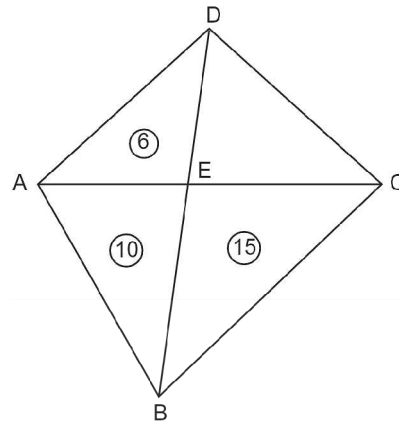


ABCD bir dörtgen
 $[DA] \perp [AB]$
 $[AE] \perp [BD]$
 $[AE] \parallel [DC]$
 $|AE| = 2$ cm
 $|DC| = 15$ cm

Yukarıdaki verilere göre, $|BC| = x$ kaç cm dir?

- A) 17 B) 18 C) 20 D) 21 E) 25

71

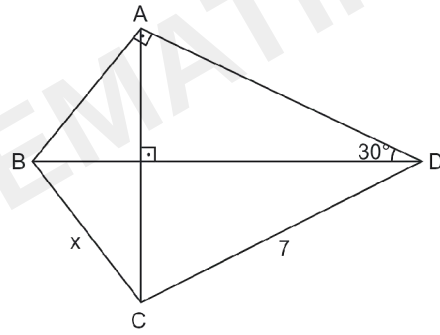


ABCD bir dörtgen
Alan(ADE) = 6 cm²
Alan(AEB) = 10 cm²
Alan(BEC) = 15 cm²

Yukarıdaki verilere göre, Alan(ABCD) kaç cm² dir?

- A) 36 B) 40 C) 41 D) 42 E) 45

72

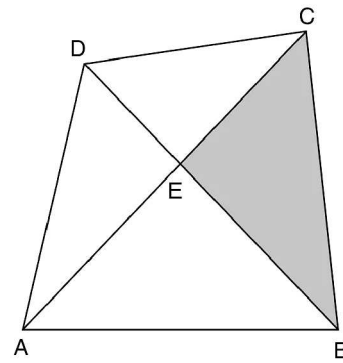


ABCD dörtgen
 $[AB] \perp [AD]$
 $[AC] \perp [BD]$
 $m(\widehat{BDA}) = 30^\circ$
 $|CD| = 7$ cm
 $|BD| = 8$ cm

Yukarıdaki verilere göre, $|BC| = x$ kaç cm dir?

- A) 4 B) $\sqrt{17}$ C) $3\sqrt{2}$ D) $\sqrt{19}$ E) $2\sqrt{5}$

73

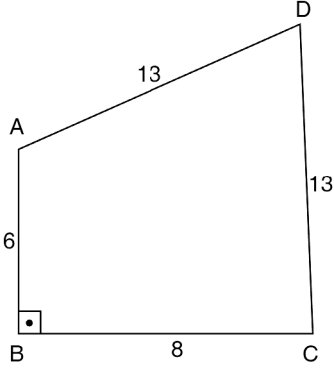


ABCD bir dörtgen
 $[AC], [BD]$ köşegen
 $2|EB| = 3|ED|$
 $2|EC| = |AE|$
Alan(ABCD) = 75 cm²

Yukarıdaki verilere göre, Alan(BEC) kaç cm² dir?

- A) 8 B) 10 C) 12 D) 14 E) 15

74

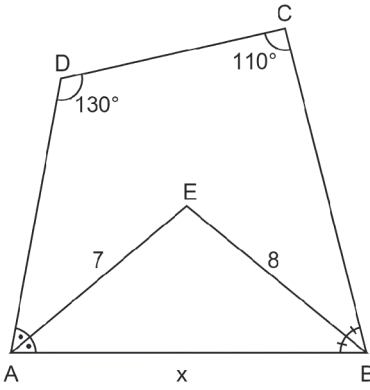


ABCD bir dörtgen
 $[AB] \perp [BC]$
 $|AD| = |DC| = 13 \text{ cm}$
 $|AB| = 6 \text{ cm}$
 $|BC| = 8 \text{ cm}$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) 65 B) 70 C) 75 D) 80 E) 84

75

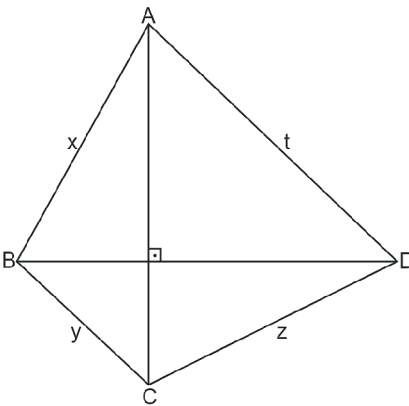


ABCD bir dörtgen
 $[AE], [BE]$ açıortay
 $m(\widehat{ADC}) = 130^\circ$
 $m(\widehat{BCD}) = 110^\circ$
 $|AE| = 7 \text{ cm}$
 $|BE| = 8 \text{ cm}$

Yukarıdaki verilere göre, $|AB| = x$ kaç cm dir?

- A) 12 B) $\frac{25}{2}$ C) 13 D) $\frac{27}{2}$ E) 14

76

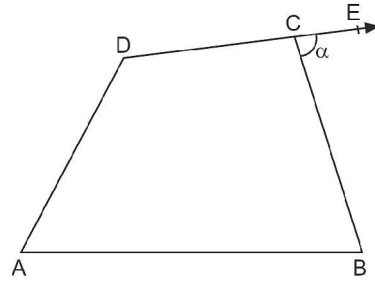


ABCD bir dörtgen
 $|AB| = x$
 $|BC| = y$
 $|CD| = z$
 $|AD| = t$
 $x = (z + 3) \text{ cm}$
 $t = (y + 9) \text{ cm}$

Yukarıdaki verilere göre, $x.z - y.t$ farkının sayısal değeri kaçtır?

- A) 32 B) 36 C) 42 D) 48 E) 52

77

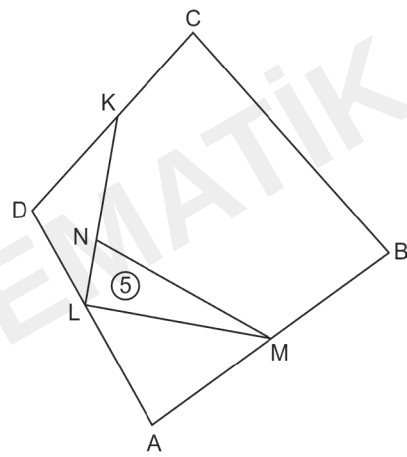


ABCD bir dörtgen
 $m(\widehat{DAB}) = 2x$
 $m(\widehat{ABC}) = 3x$
 $m(\widehat{BCD}) = 5x$
 $m(\widehat{CDA}) = 8x$

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

- A) 70 B) 75 C) 80 D) 85 E) 95

78

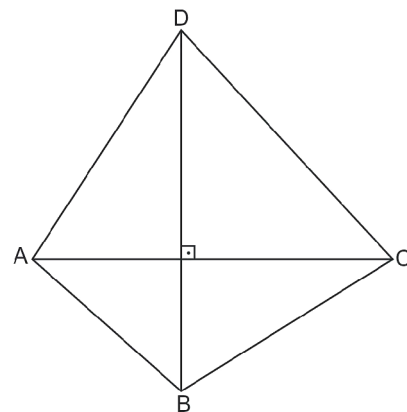


ABCD bir dörtgen
K, L, M orta noktalar
 $|KN| = 2|LN|$
Alan(MNL) = 5 cm^2

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) 50 B) 55 C) 60 D) 65 E) 75

79

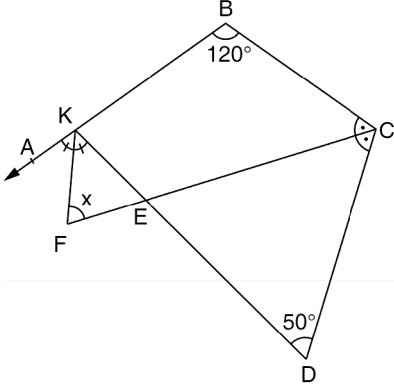


ABCD bir dörtgen
 $[AC] \perp [BD]$
 $|AC| = 8 \text{ cm}$
 $|BD| = 9 \text{ cm}$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) 38 B) 36 C) 32 D) 30 E) 28

80

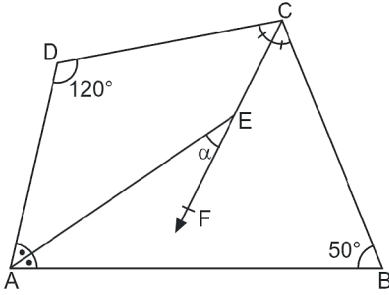


$$\begin{aligned} m(\widehat{AKF}) &= m(\widehat{FKD}) \\ m(\widehat{BCF}) &= m(\widehat{FCD}) \\ m(\widehat{ABC}) &= 120^\circ \\ m(\widehat{KDC}) &= 50^\circ \end{aligned}$$

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

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

81

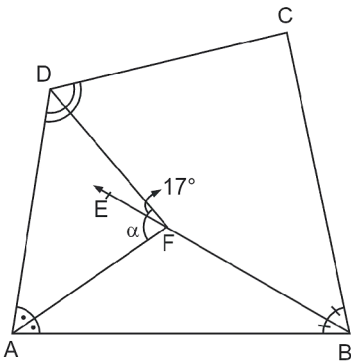


$$\begin{aligned} \text{ABCD bir dörtgen} \\ [AE], [CF] \text{ ağırtay} \\ m(\widehat{ABC}) &= 50^\circ \\ m(\widehat{ADC}) &= 120^\circ \end{aligned}$$

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

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

82

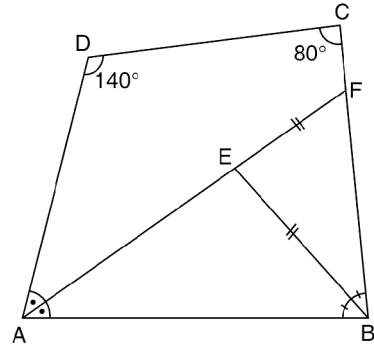


$$\begin{aligned} \text{ABCD bir dörtgen} \\ m(\widehat{ADC}) &= 110^\circ \\ m(\widehat{ABC}) &= 84^\circ \\ m(\widehat{DFE}) &= 17^\circ \\ [DF], [AF], [BE] \\ &\text{ağırtay} \end{aligned}$$

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

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

83

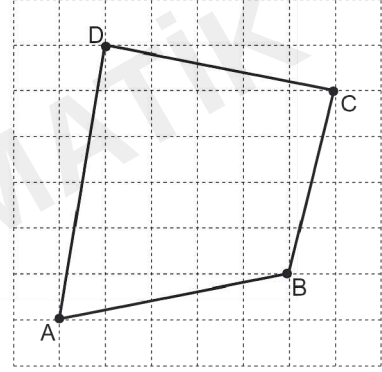


$$\begin{aligned} \text{ABCD bir dörtgen} \\ [AF], [BE] \text{ ağırtay} \\ |BE| &= |EF| \\ m(\widehat{ADC}) &= 140^\circ \\ m(\widehat{BCD}) &= 80^\circ \end{aligned}$$

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

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

84

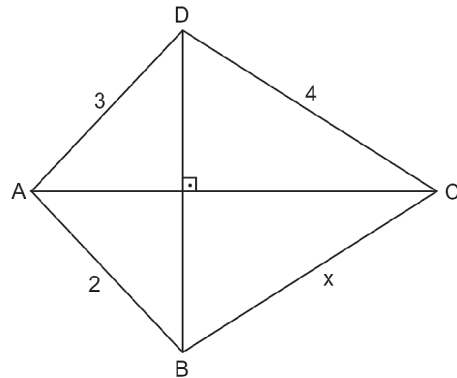


Düzlemsel şekil birim karelerden oluşmaktadır.

Yukarıdaki verilere göre, $\text{Alan}(\text{ABCD})$ kaç birimkaredir?

- A) 21 B) 22 C) 23 D) 24 E) 25

85

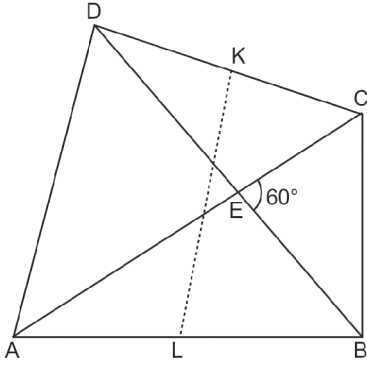


$$\begin{aligned} \text{ABCD dörtgen} \\ [AC] \perp [BD] \\ |AB| &= 2 \text{ cm} \\ |AD| &= 3 \text{ cm} \\ |DC| &= 4 \text{ cm} \end{aligned}$$

Yukarıdaki verilere göre, $|BC| = x$ kaç cm dir?

- A) 3 B) $\sqrt{10}$ C) $\sqrt{11}$ D) $2\sqrt{3}$ E) $\sqrt{13}$

86



ABCD bir dörtgen

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

$$|AC| = 16 \text{ cm}$$

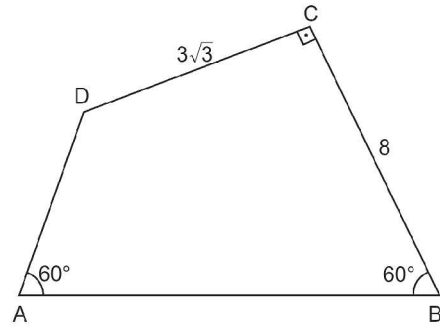
$$|BD| = 10 \text{ cm}$$

K, L orta noktalar

Yukarıdaki verilere göre, $|KL|$ kaç cm dir?

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

89



ABCD dörtgen

$$[DC] \perp [BC]$$

$$|BC| = 8 \text{ cm}$$

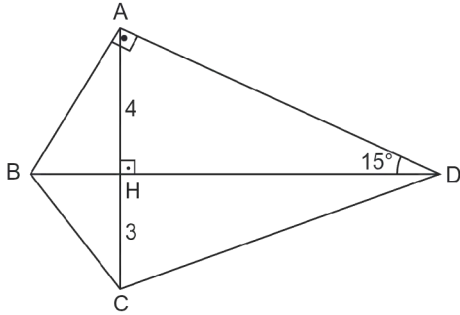
$$|DC| = 3\sqrt{3} \text{ cm}$$

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

Yukarıdaki verilere göre, $|DA| + |AB|$ kaç cm dir?

- A) 12 B) 14 C) 16 D) 18 E) 20

87



ABCD bir

dörtgen

$$[BA] \perp [AD]$$

$$[AC] \perp [BD]$$

$$m(\widehat{ADB}) = 15^\circ$$

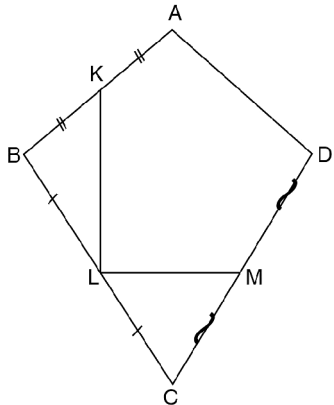
$$|AH| = 4 \text{ cm}$$

$$|HC| = 3 \text{ cm}$$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) 28 B) 35 C) 42 D) 48 E) 56

88



ABCD bir dörtgen

K, M, L orta noktalar

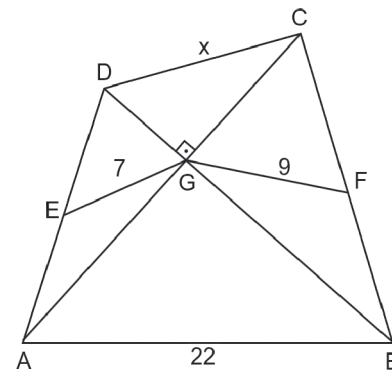
$$|LM| = 3 \text{ cm}$$

$$|KL| = 5 \text{ cm}$$

Buna göre, ABCD dörtgeninin köşegen uzunlukları toplamı kaç cm dir?

- A) 12 B) 14 C) 16 D) 18 E) 20

90



ABCD bir dörtgen

E, F orta noktalar

$$[AC] \perp [BD]$$

$$|EG| = 7 \text{ cm}$$

$$|GF| = 9 \text{ cm}$$

$$|AB| = 22 \text{ cm}$$

Yukarıdaki verilere göre, $|DC| = x$ kaç cm dir?

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