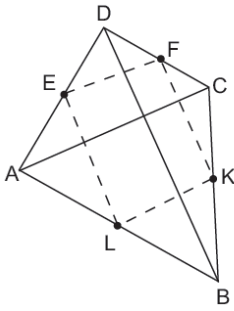


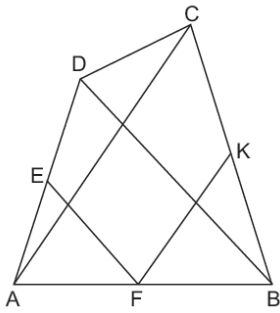
10.SINIF DÖRTGENLER TARAMA SORULARI

1)



ABCD bir dörtgen
E, F, K, L orta noktalar
 $|AC| = 8$ cm
 $|BD| = 11$ cm
Ç(EFKL) kaç cm dir?

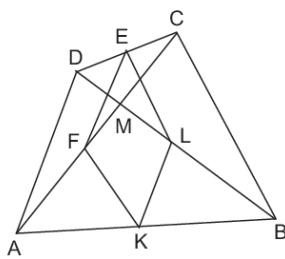
2)



ABCD bir dörtgen
[AC], [BD] köşegenler
E, F, K orta noktalar
 $|EF| = 4$ cm
 $|FK| = 6$ cm

$|AC| + |BD|$ toplamı kaç cm dir?

3)

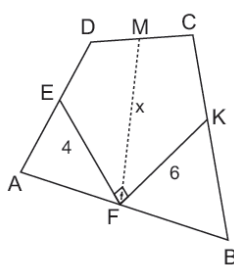


ABCD bir dörtgen
E, F, K, L orta noktalar
 $[AC] \cap [BD] = \{M\}$
 $|AD| + |BC| = 12$ cm

Yukarıdaki verilere göre, Ç(EFKL) kaç cm dir?

A) 6 B) 8 C) 10 D) 12 E) 24

4)

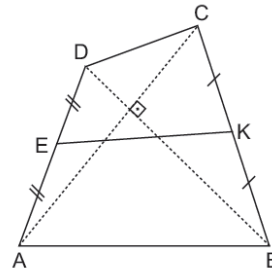


ABCD bir dörtgen
 $[EF] \perp [FK]$
E, F, K ve M orta noktalar
 $|EF| = 4$ cm
 $|FK| = 6$ cm

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

A) 4 B) $4\sqrt{2}$ C) 5 D) 6 E) $2\sqrt{13}$

5)

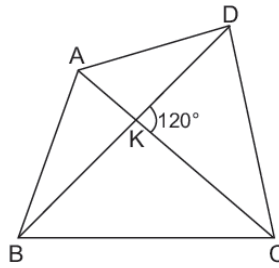


ABCD dörtgen
 $[AC] \perp [BD]$
 $|ED| = |EA|$
 $|KC| = |KB|$
 $|AC| = 16$ cm
 $|BD| = 12$ cm

$|EK|$ kaç cm dir?

A) 18 B) 14 C) 10 D) 8 E) 6

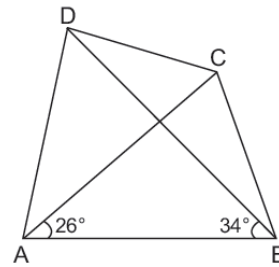
6)



ABCD bir dörtgen
 $[AC] \cap [BD] = \{K\}$
 $|AC| = 6\sqrt{3}$ cm
 $|BD| = 5\sqrt{3}$ cm
 $m(\widehat{DKC}) = 120^\circ$

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

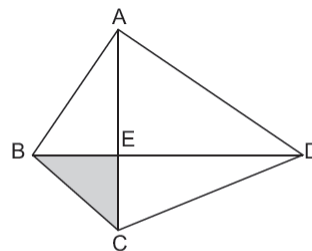
7)



ABCD bir dörtgen
 $m(\widehat{CAB}) = 26^\circ$
 $m(\widehat{DBA}) = 34^\circ$
 $|AC| = 10$ cm
 $|BD| = 8\sqrt{2}$ cm

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

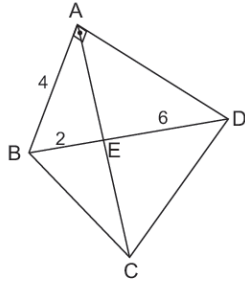
8)



ABCD bir dörtgen
 $A(ABE) = 6$ cm^2
 $A(AED) = 12$ cm^2
 $A(ECD) = 8$ cm^2

Yukarıdaki verilere göre, $A(BEC)$ kaç cm^2 dir?

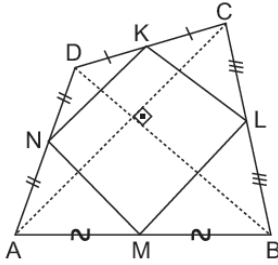
9)



ABCD bir dörtgen
 $[BA] \perp [AD]$
 $|AB| = 4 \text{ cm}$
 $|BE| = 2 \text{ cm}$
 $|ED| = 6 \text{ cm}$
 $2|EC| = |AE|$

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

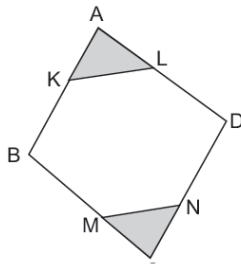
10)



ABCD bir dörtgen
 $[AC] \perp [BD]$
 $|AC| = 16 \text{ cm}$
 $|BD| = 10 \text{ cm}$

Verilenlere göre, Alan(KLMN) kaç cm^2 dir?

11)



ABCD bir dörtgen
 K, L, M, N orta noktalar
 Taralı alanlar toplamı 12 cm^2

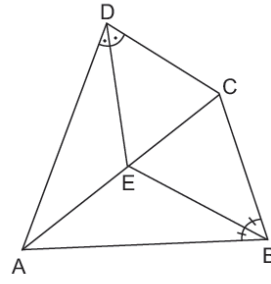
olduğuna göre, $A(ABCD)$ kaç cm^2 dir?

12)

Köşelerinin koordinatları $A(0, 8)$, $B(6, 0)$, $C(0, -3)$ ve $D(-4, 0)$ noktaları olan ABCD dörtgeninin çevre uzunluğu nedir?

- A) $10 + 5\sqrt{5}$ B) $5 + 6\sqrt{5}$ C) 22
 D) $7 + 15\sqrt{5}$ E) $15 + 7\sqrt{5}$

13)

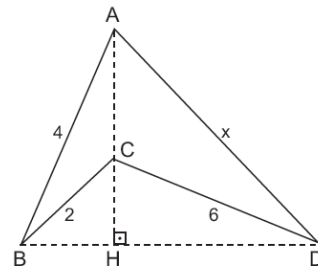


ABCD bir dörtgen
 $3|AE| = 2|EC|$
 $[DE], [BE]$ açıortay
 $|DC| + |BC| = 15 \text{ cm}$

Yukarıdaki verilere göre, $\angle(ABCD)$ kaç cm dir?

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

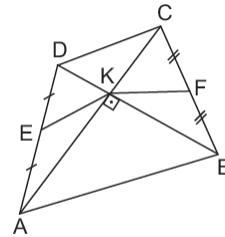
14)



ABCD konkav dörtgen
 $[AH] \perp [BD]$
 A, C, H doğrusal
 $|BC| = 2 \text{ cm}$
 $|AB| = 4 \text{ cm}$
 $|CD| = 6 \text{ cm}$

$|AD| = x$ kaç cm dir?

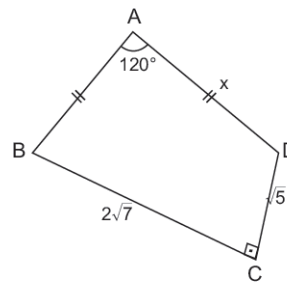
15)



ABCD bir dörtgen
 $[AC] \perp [BD]$
 $[KE], [KF]$ kenarortaylar
 $|EK|^2 + |KF|^2 = 11 \text{ cm}$

$|DC|^2 + |AB|^2$ toplamı kaçtır?

16)

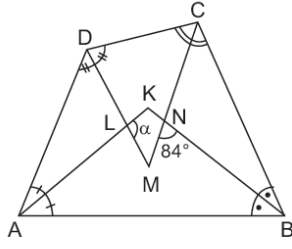


ABCD bir dörtgen
 $|AB| = |AD|$
 $m(\hat{C}) = 90^\circ$
 $m(\hat{A}) = 120^\circ$
 $|BC| = 2\sqrt{7} \text{ cm}$
 $|DC| = \sqrt{5} \text{ cm}$

$|AD| = x$ kaç cm dir?

- A) $\sqrt{5}$ B) $\sqrt{3}$ C) $\sqrt{11}$ D) $2\sqrt{3}$ E) $\sqrt{15}$

17)

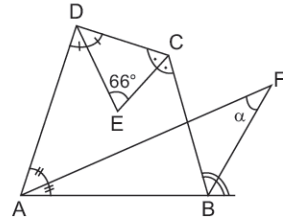


ABCD bir dörtgen
[CM], [DM], [BK],
[AK] açıortay
 $m(\widehat{BNM}) = 84^\circ$
 $m(\widehat{KLM}) = \alpha$

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

- A) 72 B) 76 C) 84 D) 86 E) 96

18)

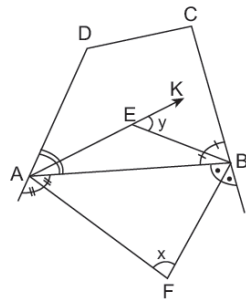


ABCD bir dörtgen
[DE], [CE], [AF], [BF]
açıortay
 $m(\widehat{DEC}) = 66^\circ$

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

- A) 22 B) 24 C) 26 D) 28 E) 34

19)

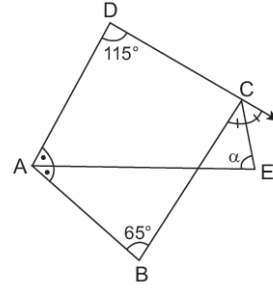


ABCD bir dörtgen
[AE], [BE], [BF], [AF]
açıortay
 $m(\widehat{BEK}) = y$
 $m(\widehat{AFB}) = x$

Yukarıdaki verilere göre, x ile y arasındaki ilişki nedir?

- A) $x + y = 180$ B) $x + y = 360$ C) $x - y = 180$
D) $x = y$ E) $x = 2y$

20)

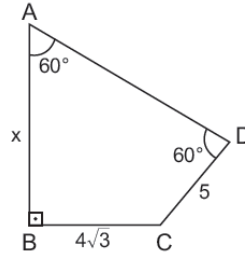


ABCD bir dörtgen
[AE], [CE] açıortay
 $m(\widehat{ADC}) = 115^\circ$
 $m(\widehat{ABC}) = 65^\circ$

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

- A) 25 B) 45 C) 55 D) 65 E) 75

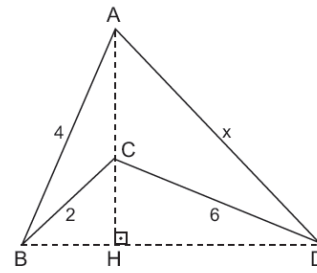
21)



ABCD bir dörtgen
 $m(\widehat{A}) = m(\widehat{D}) = 60^\circ$
 $m(\widehat{B}) = 90^\circ$
 $|BC| = 4\sqrt{3} \text{ cm}$
 $|CD| = 5 \text{ cm}$

$|AB| = x$ kaç cm dir?

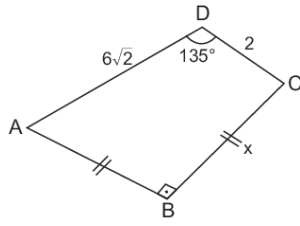
22)



ABCD konkav dörtgen
[AH] \perp [BD]
A, C, H doğrusal
 $|BC| = 2 \text{ cm}$
 $|AB| = 4 \text{ cm}$
 $|CD| = 6 \text{ cm}$

$|AD| = x$ kaç cm dir?

23)

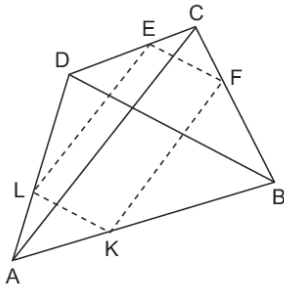


ABCD bir dörtgen
 $m(\widehat{ADC}) = 135^\circ$
 $|AB| = |BC|$
 $|DC| = 2 \text{ cm}$
 $|AD| = 6\sqrt{2} \text{ cm}$

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

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

24)



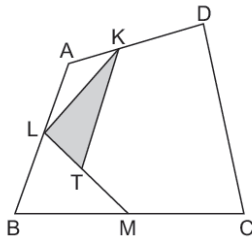
ABCD bir dörtgen
 $|AC| = 12 \text{ cm}$
 $|BD| = 9 \text{ cm}$

$$\frac{|BF|}{|FC|} = \frac{|DE|}{|EC|} = \frac{|DL|}{|LA|} = \frac{|BK|}{|KA|} = 2$$

Yukarıdaki verilere göre, $\text{Ç}(\text{EFKL})$ kaç cm dir?

- A) 11 B) 17 C) 19 D) 22 E) 24

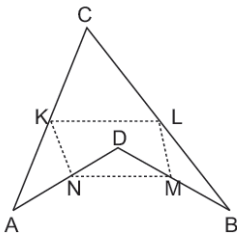
25)



ABCD bir dörtgen
 K, L ve M orta noktalar
 $3|LT| = |LM|$

Verilere göre, $\frac{A(KLT)}{A(ABCD)}$ oranı kaçtır?

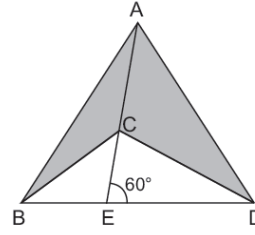
26)



ADBC bir iç bükey dörtgen
 $|CD| + |AB| = 17 \text{ cm}$
 K, N, M ve L orta noktalar

Verilenlere göre, $\text{Ç}(\text{KNML})$ kaç cm dir?

27)

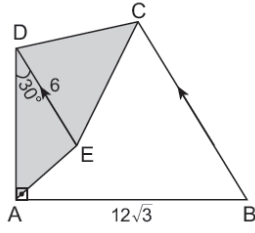


ABCD bir içbükey dörtgen
 $m(\widehat{AED}) = 60^\circ$
 $|AC| = 4\sqrt{3} \text{ cm}$
 $|BD| = 8 \text{ cm}$

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

- A) 24 B) $24\sqrt{3}$ C) 12 D) $12\sqrt{3}$ E) 8

28)

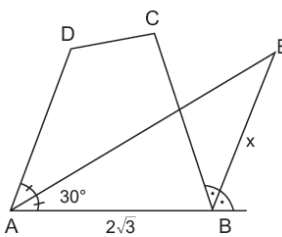


ABCD bir dörtgen
 $[DE] \parallel [BC]$
 $[DA] \perp [AB]$
 $m(\widehat{ADE}) = 30^\circ$
 $|AB| = 12\sqrt{3} \text{ cm}$
 $|DE| = 6 \text{ cm}$

Verilenlere göre, $\text{Alan}(\text{AECD})$ kaç cm^2 dir?

- A) 48 B) 52 C) 54 D) 58 E) 64

29)

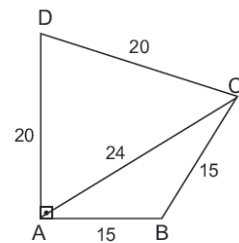


ABCD bir dörtgen
 $[AE], [BE]$ açıortay
 $m(\widehat{BAE}) = 30^\circ$
 $m(\widehat{D}) + m(\widehat{C}) = 240^\circ$
 $|AB| = 2\sqrt{3} \text{ cm}$

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

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

30)



ABCD bir dörtgen
 $[AD] \perp [DC]$
 $|AD| = |DC| = 20 \text{ cm}$
 $|AB| = |BC| = 15 \text{ cm}$
 $|AC| = 24 \text{ cm}$

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

- A) 300 B) 280 C) 272 D) 260 E) 248