

TEST NO: 1

1. *m Karalı* 

ABCD
paralelkenar
 $|AB| = |EC|$
 $|DE| = |BC|$
 $m(\widehat{ADE}) = 30^\circ$
 $m(\widehat{BCE}) = 35^\circ$

Buna göre, $m(\widehat{EAB})=x$ kaçtır?

- A) 5 B) 10 C) 15 D) 20 E) 25

$$\hat{A} = \hat{C} \Rightarrow 75 + x = 85$$
$$x = 10$$

2.

ABCD
paralelkenar
[CF] açıortay
 $|EF| = |AF|$
 $m(\widehat{AEF}) = 50^\circ$

Buna göre, $m(\hat{EFC})=x$ kaçtır?

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

$$80 + x + 25 = 180$$
$$x = 75$$

3.  ABCD
parallelenar
 $|AF| = |FB|$

$$[AC] \cap [BD] = \{E\}$$
$$[AC] \cap [DF] = \{K\}$$

$\overset{A}{A} \overset{B}{B} D$ 1'de
K, ağırlık merkezi
olur.
 $6x = 36 \quad x = 6$

Yukarıdaki şekilde $|AC|=36$ cm olduğuna göre,
 $|EK|$ kaç cm'dir?

- A) 6 B) 8 C) 9 D) 12 E) 15

4.  ABCD
paralelkenar
[AE] açıortay
[EF] $\perp$ [DC]
|BF| = |FC|

|AB| = 16 cm
|AD| = 12 cm

Buna göre, $|EF| = x$ kaç cm'dir?

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

5.

$|AB| = 26\text{ cm}$
 $|BC| = 12\text{ cm}$
 $|DE| = |EF|$

$16k = 16$
 $k = 1$
 $x = 13$

ABCD paralelkenar, [AF] açıortay, $[EB] \perp [BC]$

Buna göre, $|BK| = x$ kaç cm'dir?

- A) 10 B) 12 C) 13 D) 15 E) 16

6. 

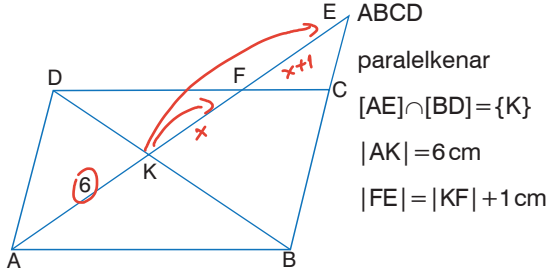
ABCD
 parallelenkenar
 $[AC] \perp [DE]$
 $[EB] \perp [BC]$
 $|DE| = 6 \text{ cm}$
 $|AE| = 9 \text{ cm}$

Buna göre, $|EC| = x$ kaç cm'dir?

- A) 10 B) 11 C) 12 **D) 13** E) 15

$$6^2 = 3 \cdot (x-9)$$
$$x = 13$$

7.



Buna göre, |AE| kaç cm'dir?

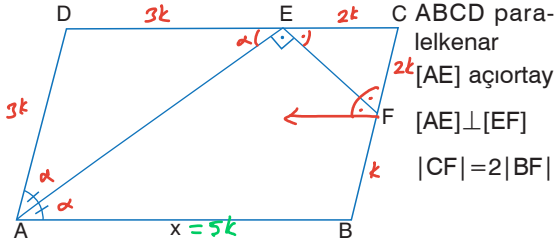
- A) 12 B) 15 C) 18 D) 20 E) 24

$$6^2 = x \cdot (2x+1) \quad |AE| = 6+4+5=15$$

$$36 = x \cdot (2x+1)$$

$$x = 4$$

8.



Çevre(ABCD) = 48 cm ise, |AB| = x kaç cm'dir?

- A) 9 B) 12 C) 15 D) 18 E) 21

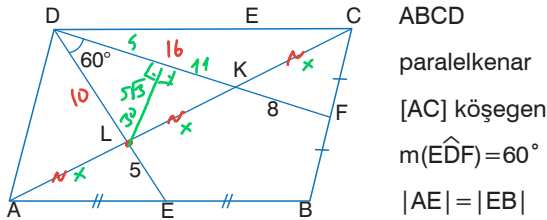
$$48 = 10k + 6k$$

$$16k = 48$$

$$k = 3$$

$$x = 5 \cdot 3 = 15$$

9.



$$|BF| = |CF|$$

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

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

Buna göre, |AC| kaç cm'dir?

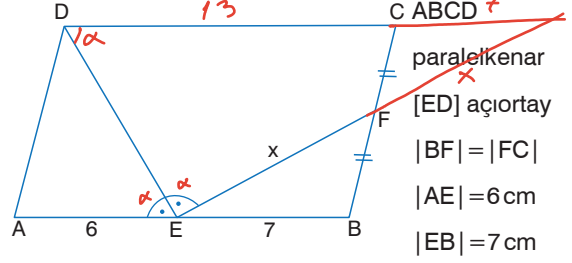
- A) 21 B) 28 C) 32 D) 35 E) 42

$$x^2 = 11^2 + 5\sqrt{3}^2$$

$$x = 14$$

$$|AC| = 3x = 3 \cdot 14 = 42$$

10.



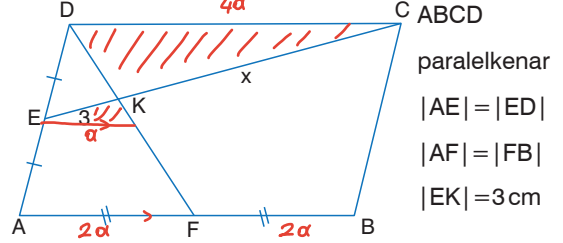
Buna göre, |EF| = x kaç cm'dir?

- A) 9 B) 10 C) 11 D) 12 E) 13

$$2x = 20$$

$$x = 10$$

11.



$$[DF] \cap [EC] = \{K\}$$

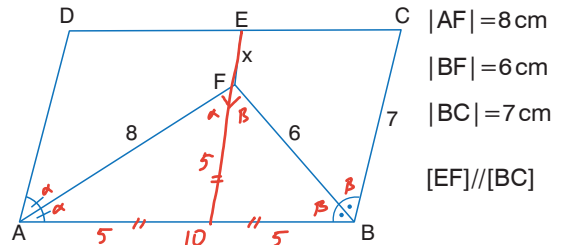
Buna göre, |KC| = x kaç cm'dir?

- A) 6 B) 9 C) 12 D) 15 E) 18

$$\frac{4x}{a} = \frac{x}{3}$$

$$x = 12$$

12.



ABCD paralelkenar [AF] ve [BF] açıortay

Buna göre, |EF| = x kaç cm'dir?

- A) 3 B) $\frac{14}{5}$ C) $\frac{5}{2}$ D) 2 E) 1

$$x+5=7$$

$$x=2$$