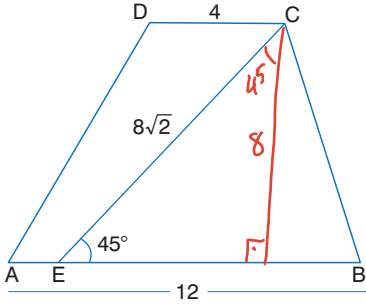


7.



ABCD yamuk

$[AB] \parallel [DC]$

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

$|EC| = 8\sqrt{2} \text{ cm}$

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

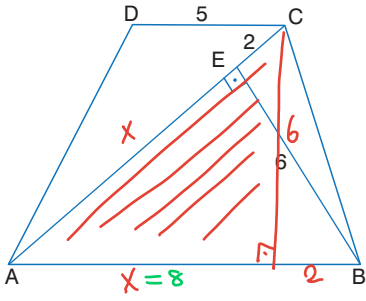
$|DC| = 4 \text{ cm}$

Buna göre, $A(ABCD)$ kaç cm^2 'dir?

- A) 32 B) 48 C) 54 D) 60 E) 64

$$A = \frac{(12+4) \cdot 8}{2} = 64$$

8.



ABCD yamuk

$[AB] \parallel [DC]$

$[BE] \perp [AC]$

$|AC| = |AB|$

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

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

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

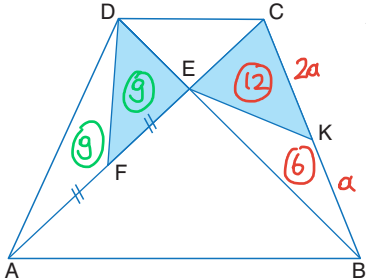
Buna göre, $A(ABCD)$ kaç cm^2 'dir?

- A) 36 B) 40 C) 45 D) 48 E) 54

$$(x+2)^2 = 6^2 + x^2 \quad A(ABCD) = \frac{(10+5) \cdot 6}{2} = 45$$

$$x = 8$$

9.



ABCD yamuk

$[AB] \parallel [DC]$

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

$|AF| = |FE|$

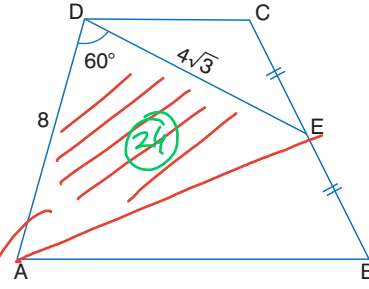
$|CK| = 2|BK|$

Yukarıdaki şekilde $A(\widehat{CEK}) = 12 \text{ cm}^2$ olduğuna göre, $A(\widehat{EDF})$ kaç cm^2 'dir?

- A) 8 B) 9 C) 10 D) 11 E) 12

$$A(\widehat{ADE}) = A(\widehat{BCE}) = 18 \text{ olmalıdır.}$$

10.



ABCD yamuk

$[AB] \parallel [DC]$

$|BE| = |EC|$

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

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

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

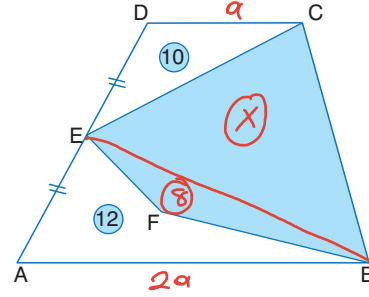
Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 'dir?

- A) 24 B) 30 C) 36 D) 48 E) 60

$$\text{Taralı Alan} = \frac{1}{2} \cdot 8 \cdot 4\sqrt{3} \cdot \frac{\sqrt{3}}{2} (\sin 60^\circ) = 24$$

$$A(ABCD) = 2 \times 24 = 48$$

11.



ABCD yamuk

$[AB] \parallel [DC]$

$|AE| = |ED|$

$A(\widehat{CDE}) = 10 \text{ cm}^2$

$A(\widehat{ABFE}) = 12 \text{ cm}^2$

$|AB| = 2|DC|$

Buna göre, taralı alan kaç cm^2 'dir?

- A) 22 B) 28 C) 32 D) 38 E) 42

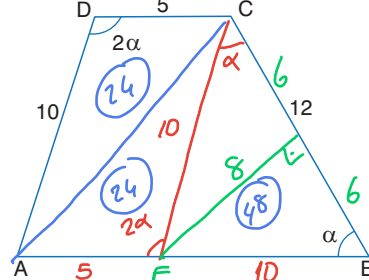
$$\alpha \rightarrow 10 \text{ ise}$$

$$2\alpha \rightarrow 20 \text{ olmalıdır.}$$

$$X = 10 + 20 = 30$$

$$\text{Taralı Alan} = 30 + 8 = 38$$

12.



ABCD yamuk

$[AB] \parallel [DC]$

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

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

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

Yukarıdaki şekilde $m(\widehat{ADC}) = 2m(\widehat{ABC}) = 2\alpha$ ise, $A(ABCD)$ kaç cm^2 'dir?

- A) 96 B) 84 C) 72 D) 60 E) 48

$$A(\widehat{BCE}) = \frac{12 \cdot 8}{2} = 48$$