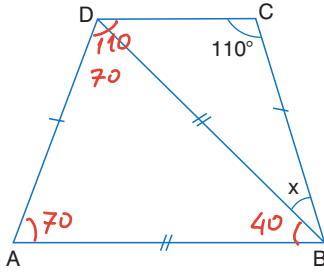


1.



ABCD ikizkenar  
yamuk  
[AB]//[DC]  
|AB|=|BC|  
|AD|=|BC|  
 $m(\widehat{BCD})=110^\circ$

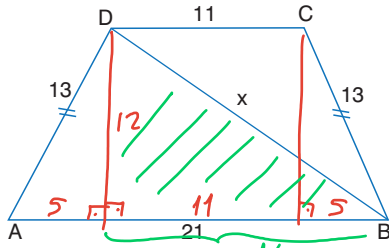
Buna göre,  $m(\widehat{DBC})=x$  kaçtır?

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

$$40 + x = 70$$

$$x = 30$$

2.



[AB]//[DC]  
|DC|=11 cm  
|AB|=21 cm

|BC|=|AD|=13 cm

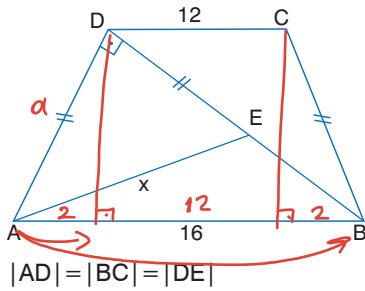
Buna göre, |BD|=x kaç cm'dir?

- A) 20 B) 24 C) 25 D) 30 E) 34

$$x^2 = 12^2 + 16^2$$

$$x = 20$$

3.



ABCD yamuk  
[AB]//[DC]  
|AB|=16 cm  
|DC|=12 cm

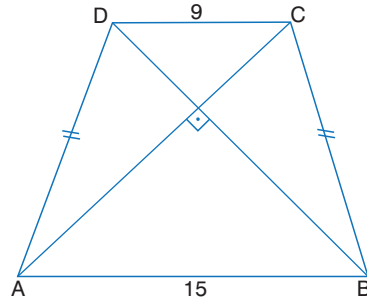
|AD|=|BC|=|DE|

Buna göre, |AE|=x kaç cm'dir?

- A) 4 B)  $4\sqrt{2}$  C) 6 D)  $5\sqrt{2}$  E) 8

$$a^2 = 2 \cdot 16 \quad a = 4\sqrt{2} \quad x = a\sqrt{2} \quad x = 8$$

4.



[AC]⊥[BD]  
|AD|=|BC|  
[AB]//[DC]  
|AB|=15 cm  
|DC|=9 cm

$$h = \frac{a+c}{2}$$

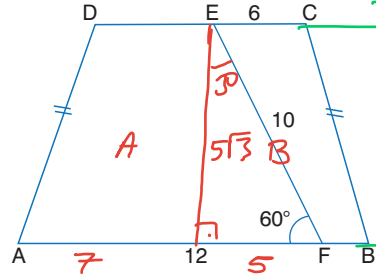
$$h = \frac{15+9}{2} = 12$$

$$A = h^2 = 12^2 = 144$$

Buna göre, A(ABCD) kaç cm<sup>2</sup>'dir?

- A) 96 B) 100 C) 120 D) 144 E) 168

5.



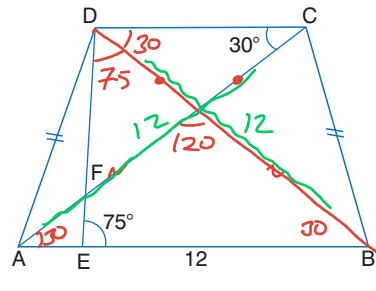
ABCD ikizkenar  
yamuk  
[AB]//[DC]  
|AD|=|BC|  
 $m(\widehat{AFE})=60^\circ$   
|EC|=6 cm  
|AF|=12 cm  
|EF|=10 cm

Buna göre, A(ABCD) kaç cm<sup>2</sup>'dir?

- A) 60 B)  $65\sqrt{3}$  C)  $70\sqrt{3}$  D)  $72\sqrt{3}$  E)  $80\sqrt{3}$

$$(A+B) = 13 \times 5\sqrt{3} = 65\sqrt{3}$$

6.



ABCD ikizkenar  
yamuk  
[AB]//[DC]  
|AD|=|BC|  
 $m(\widehat{ACD})=30^\circ$   
 $m(\widehat{DEB})=75^\circ$   
|EB|=12 cm

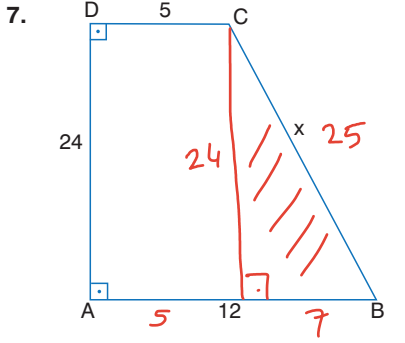
Buna göre, A(ABCD) kaç cm<sup>2</sup>'dir?

- A) 36 B) 48 C)  $18\sqrt{3}$  D)  $36\sqrt{3}$  E) 60

$$A(ABCD) = \frac{12 \cdot 12 \cdot \sqrt{3}}{2} = 36\sqrt{3}$$

1-C | 2-A | 3-E

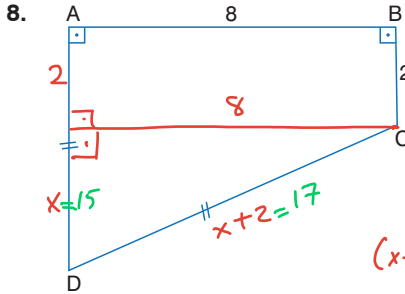
4-D | 5-B | 6-D



ABCD dik yamuk  
 $|AB|=12$  cm  
 $|AD|=24$  cm  
 $|DC|=5$  cm

Buna göre  $|BC|=x$  kaç cm'dir?

- A) 25 B) 28 C) 30 D) 34 E) 36



$[AD] \perp [AB]$   
 $[CB] \perp [AB]$   
 $|AD|=|BC|$   
 $|AB|=8$  cm  
 $|BC|=2$  cm

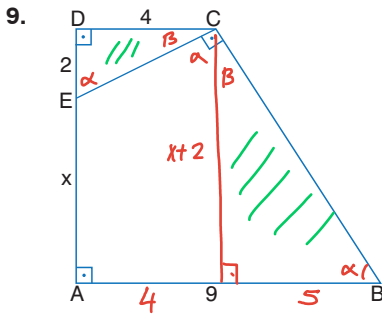
$$(x+2)^2 = x^2 + 8^2$$

$$x = 15$$

Buna göre,  $\text{Ç}(ABCD)$  kaç cm'dir?

- A) 36 B) 44 C) 48 D) 52 E) 54

$$\text{Ç} = 8 + 2 + 17 + 17 = 44$$



ABCD dik yamuk  
 $[AB] \perp [AD]$   
 $[AB] \parallel [DC]$   
 $[BC] \perp [EC]$   
 $|DC|=2|DE|=4$  cm  
 $|AB|=9$  cm

Buna göre,  $|AE|=x$  kaç cm'dir?

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

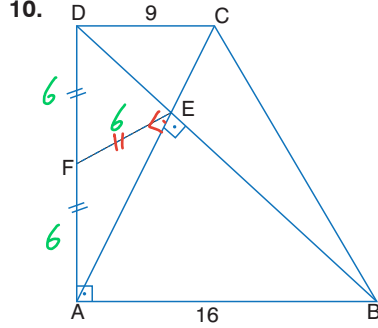
Benzerlik  $\Rightarrow$

$$\frac{4}{x+2} = \frac{2}{5}$$

$$2x+4=20$$

$$2x=16$$

$$x=8$$



ABCD dik yamuk  
 $[AB] \perp [AD]$   
 $[AC] \perp [BD]$   
 $|AB|=16$  cm  
 $|DC|=9$  cm

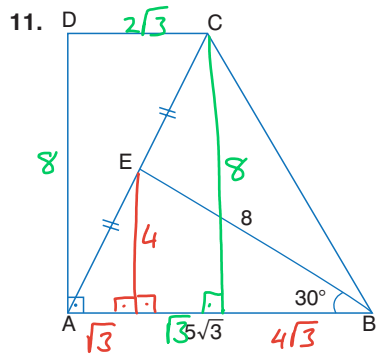
Şekilde  $|AF|=|FD|$  olduğuna göre,  $|EF|$  kaç cm'dir?

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

$$h^2 = a \cdot c$$

$$h^2 = 16 \cdot 9$$

$$h = 12$$

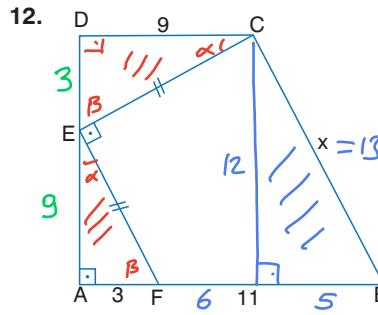


ABCD dik yamuk  
 $[AB] \perp [AD]$   
 $[AC]$  köşegen  
 $m(\widehat{ABE})=30^\circ$   
 $|BE|=8$  cm  
 $|AB|=5\sqrt{3}$  cm

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

- A) 12 B) 18 C) 24 D)  $24\sqrt{3}$  E)  $28\sqrt{3}$

$$A(ABCD) = \frac{(5\sqrt{3} + 2\sqrt{3}) \cdot 8}{2} = 28\sqrt{3}$$



ABCD dik yamuk  
 $[AD] \perp [AB]$   
 $[CE] \perp [EF]$   
 $[AB] \parallel [DC]$   
 $|EC|=|EF|$   
 $|AF|=3$  cm  
 $|FB|=11$  cm  
 $|DC|=9$  cm

Buna göre,  $|BC|=x$  kaç cm'dir?

- A) 10 B) 13 C) 15 D) 17 E) 20