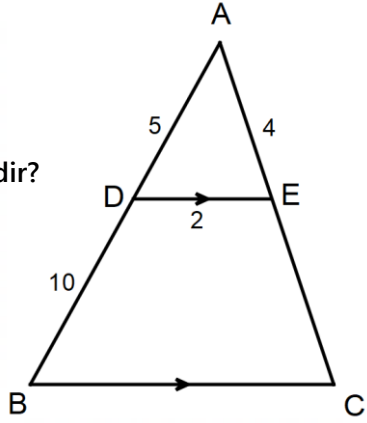




1.

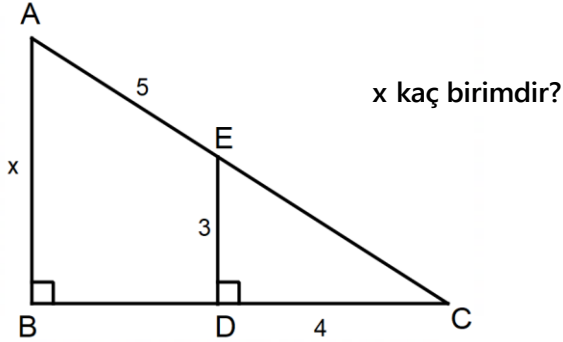
$$[DE] \parallel [BC]$$

$|BC| + |EC|$ kaç birimdir?



- A) 12 B) 13 C) 14 D) 15 E) 16

2.

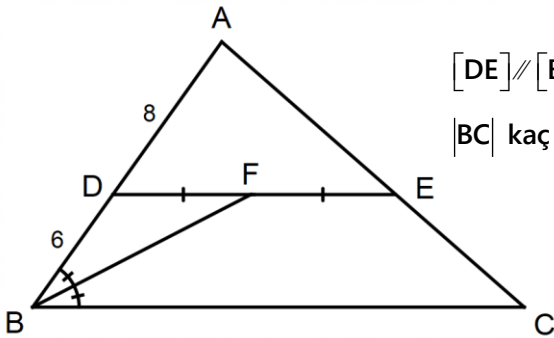


- A) 5 B) 6 C) 7 D) 8 E) 9

3.

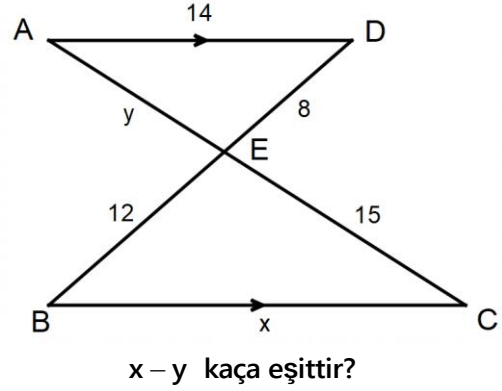
$$[DE] \parallel [BC]$$

$|BC|$ kaç birimdir?



- A) 12 B) 15 C) 16 D) 18 E) 21

4.



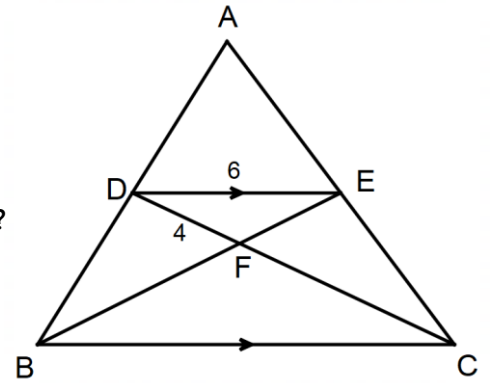
$x - y$ kaç eşittir?

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

5.

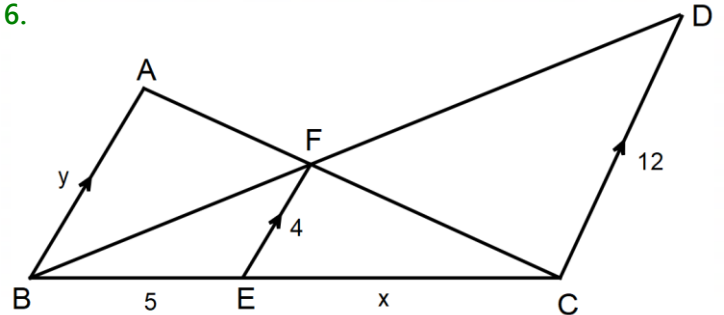
$$\frac{|AE|}{|EC|} = \frac{2}{3}$$

$$|BC| + |FC| = ?$$



- A) 15 B) 18 C) 20 D) 25 E) 28

6.

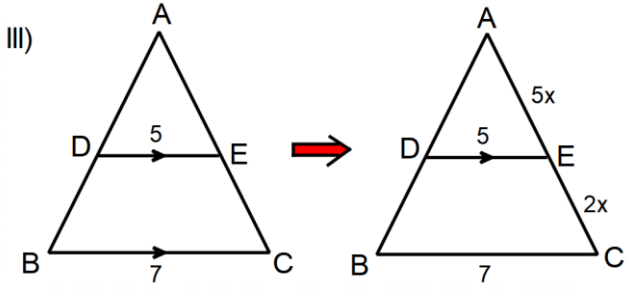
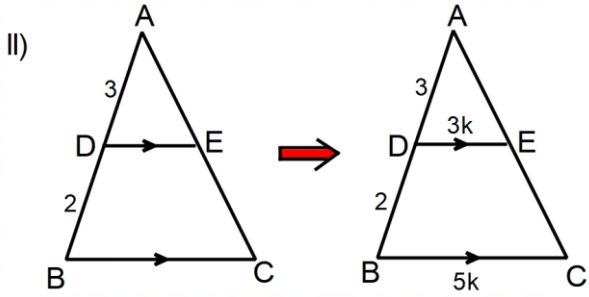
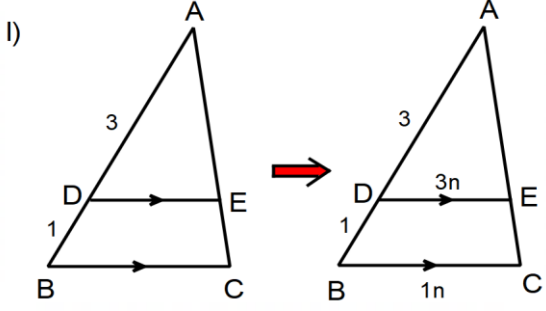


$x - y$ kaç eşittir?

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



7. Aşağıda verilen üçgenlerin hangisi veya hangileri için yazılan benzerlik oranları doğrudur?



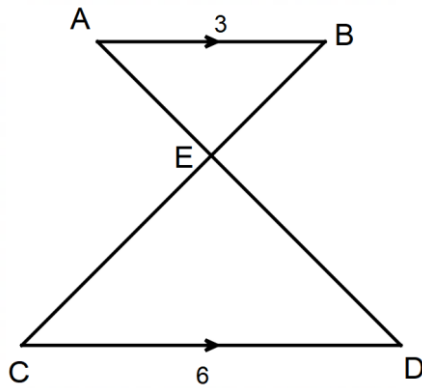
A) I B) II C) I, III D) II, III E) I, II, III

8. $[AB] \parallel [CD]$

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

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

ABE üçgeninin çevresi kaç cm dir?



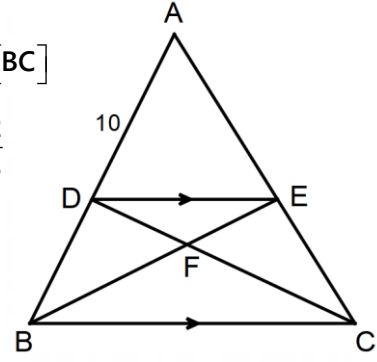
A) 8 B) 9 C) 10 D) 11 E) 12

9.

$$[DE] \parallel [BC]$$

$$\frac{|DF|}{|FC|} = \frac{2}{3}$$

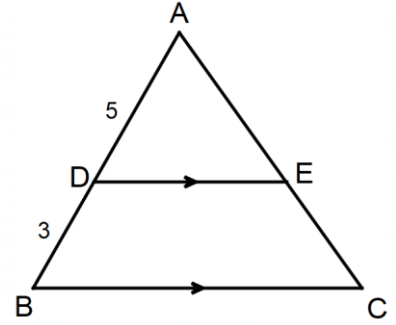
$$|DB| = ?$$



A) 1 B) 2 C) 3 D) 4 E) 5

10. $[DE] \parallel [BC]$

$$\frac{|AE|}{|EC|} = ?$$



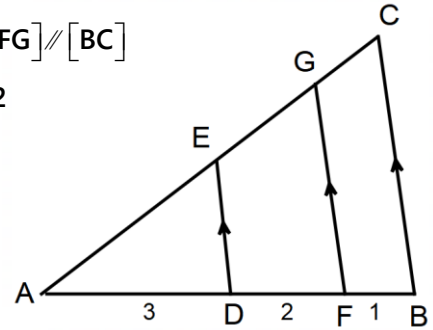
A) $\frac{5}{8}$ B) $\frac{5}{3}$ C) 2 D) $\frac{8}{5}$ E) 3

11.

$$[DE] \parallel [FG] \parallel [BC]$$

$$|AC| = 12$$

$$|EG| = ?$$



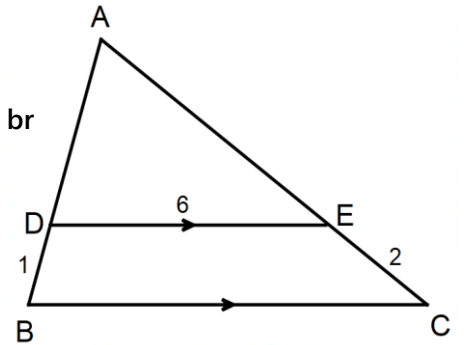
A) 2 B) 3 C) 4 D) 6 E) 8

12.

$$[BC] \parallel [DE]$$

$$\text{Çevre}(\triangle ADE) = 18 \text{ br}$$

$$|AD| = ?$$



A) 2 B) 3 C) 4 D) 5 E) 6

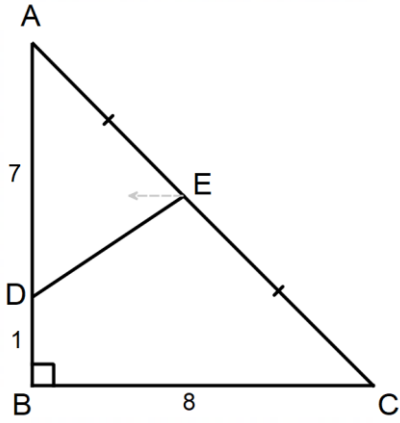


13.

$$m(\hat{A}BC) = 90^\circ$$

$$|AE| = |EC|$$

$$|DE| = ?$$



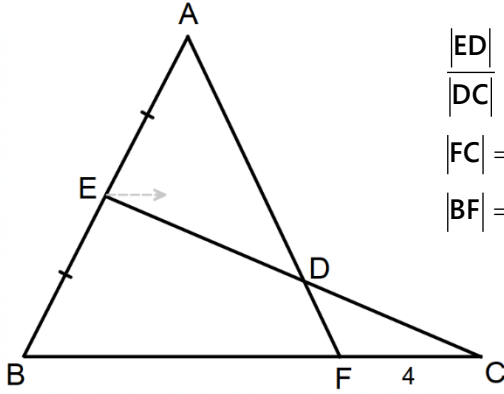
- A) 1 B) 2 C) 3 D) 4 E) 5

14.

$$\frac{|ED|}{|DC|} = \frac{3}{2}$$

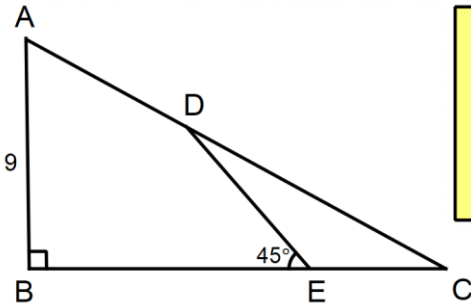
$$|FC| = 4$$

$$|BF| = ?$$



- A) 12 B) 14 C) 15 D) 16 E) 18

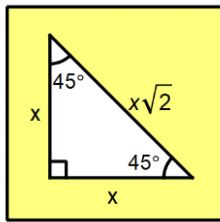
15.



$$|DC| = 2 \cdot |AD|, \quad m(\hat{D}EB) = 45^\circ, \quad |DE| = ?$$

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

Hatırlatma:

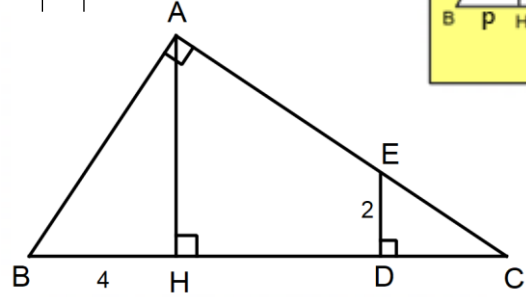


$$m(\hat{B}AC) = 90^\circ$$

$$[AH] \perp [BC], [ED] \perp [BC]$$

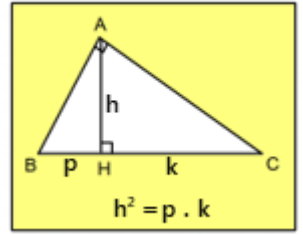
$$|AE| = 3 \cdot |EC|$$

$$|HC| = ?$$

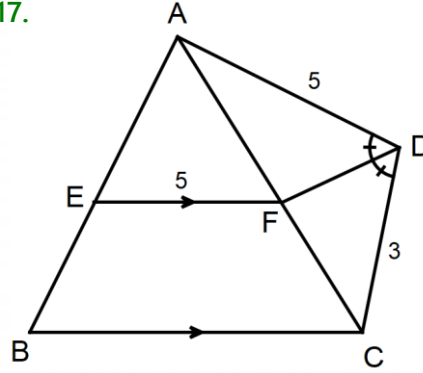


- A) 12 B) 13 C) 14 D) 15 E) 16

Hatırlatma:



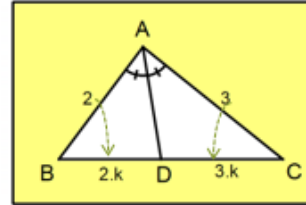
17.



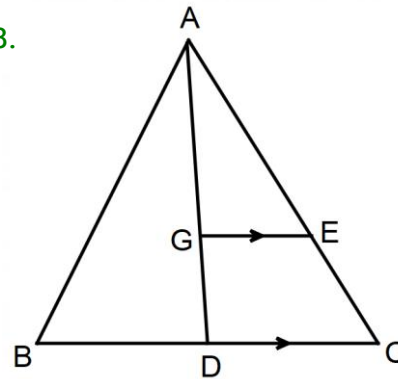
$$[DF] \text{ ağırtay, } [EF] \parallel [BC], \quad |BC| = ?$$

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

Hatırlatma:



18.



$$G \text{ ağırlık merkezi, } [GE] \parallel [BC], \quad |BC| = 18, \quad |AC| = 24$$

$$|AE| + |GE| = ?$$

- A) 19 B) 20 C) 21 D) 22 E) 23

Hatırlatma:

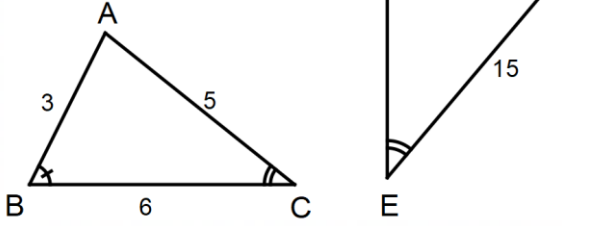




19. $m(\hat{A}BC) = m(\hat{F}DE)$

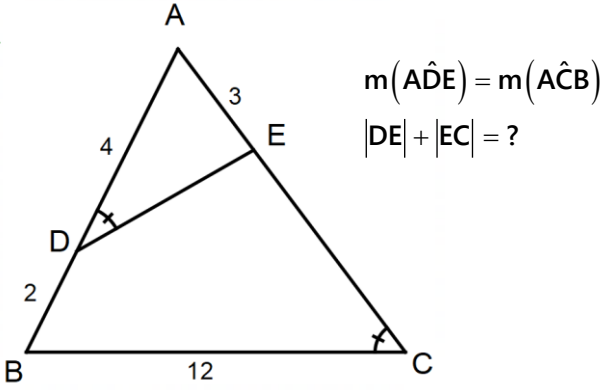
$m(\hat{A}CB) = m(\hat{F}ED)$

$\text{Çevre}(FDE) = ?$



- A) 33 B) 36 C) 38 D) 39 E) 42

20.

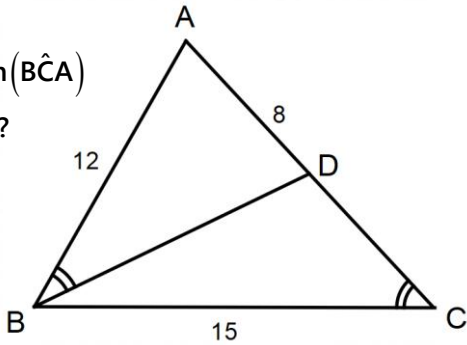


- A) 10 B) 11 C) 12 D) 13 E) 14

21.

$m(\hat{A}BD) = m(\hat{B}CA)$

$|BD| + |DC| = ?$



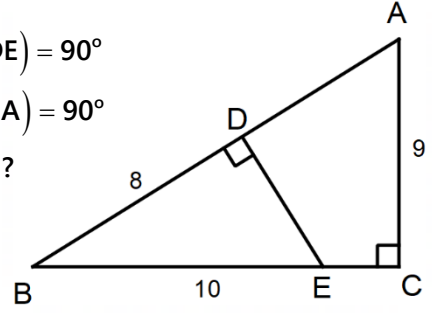
- A) 10 B) 12 C) 15 D) 18 E) 20

22.

$m(\hat{B}DE) = 90^\circ$

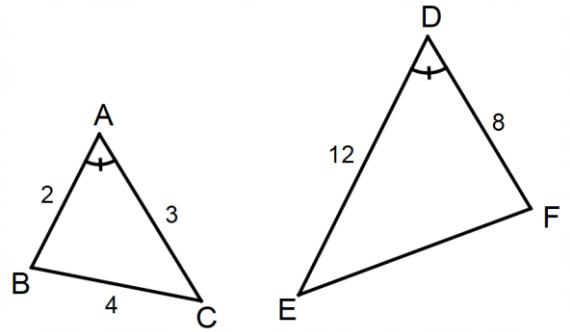
$m(\hat{B}CA) = 90^\circ$

$|EC| = ?$



- A) 2 B) 3 C) 4 D) 5 E) 6

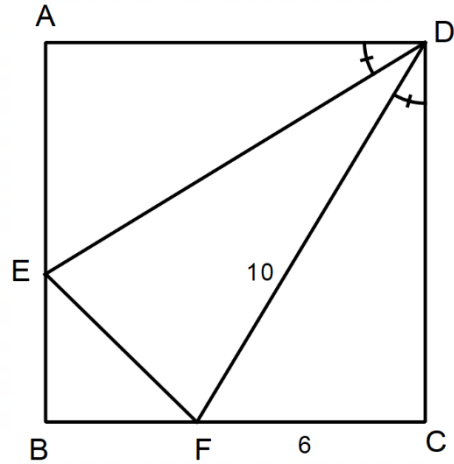
23.



$m(\hat{B}AC) = m(\hat{E}DF)$, $|EF| = ?$

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

24.



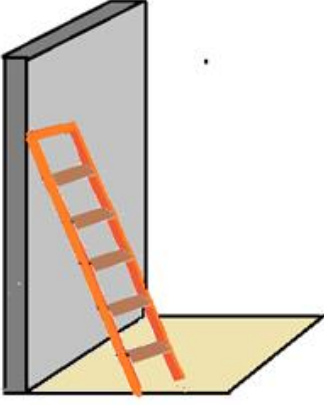
ABCD kare, $m(\hat{A}DE) = m(\hat{C}DF)$

$|EF|$ kaç birimdir?

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



25.



Yukarıdaki merdivende basamaklar eşit uzunlukta boşluklar bırakılarak monte edilmiştir.

En üst basamağın bağlı olduğu noktanın duvara uzaklığı 14 cm ise merdivenin yere değen alt ucu duvardan kaç cm uzaktadır?

- A) 70 B) 84 C) 98 D) 105 E) 112

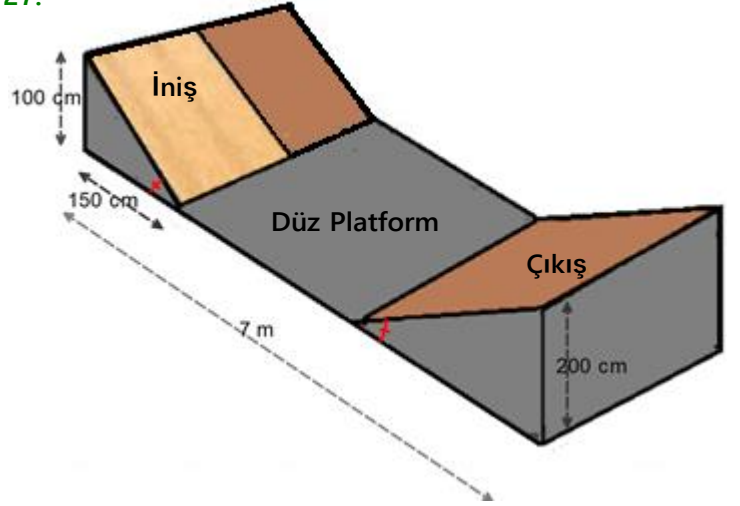
26.



Şekil deki tekne 84 metre uzunluğunda zincire bağlı çapasını 15 metre derinliğe atmıştır. Teknenin zincirinin bağlı olduğu nokta denizden 6 metre yüksekte ise zincirin denizin içindeki bölümünün uzunluğu kaç metredir?

- A) 42 B) 45 C) 52 D) 60 E) 64

27.



Yukarıdaki 7 metre uzunluğundaki kaykay pistinde iniş ve çıkış platformları yer ile aynı açığı yapmaktadır.

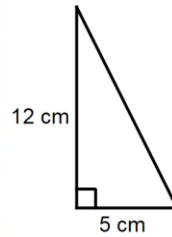
İniş bölümünün en yüksek noktası 100 cm, çıkış bölümünün ki ise 200 cm dir.

Buna göre düz platformun uzunluğu kaç cm dir?

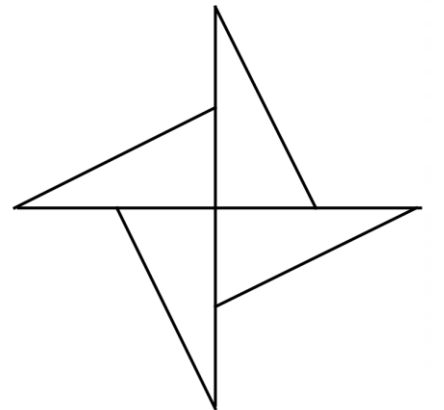
- A) 150 B) 200 C) 250 D) 300 E) 350

28.

Şekil 1



Şekil 2



Şekil 1 deki üçgene eş olan 4 üçgen kullanılarak şekil 2 deki görsel oluşturuluyor.

Buna göre bu görselin dış çevresi kaç cm olur?

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