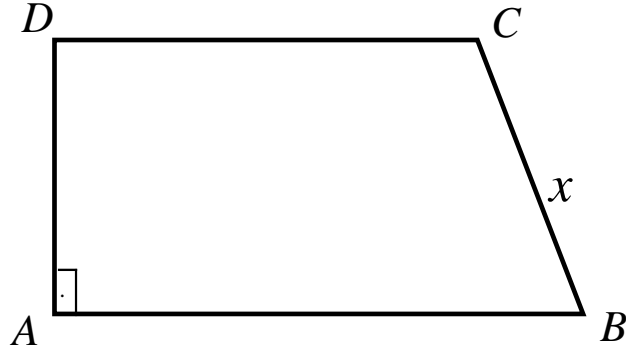


9. SINIF ÜÇGELERİN EŞLİĞİ VE BENZERLİĞİ TEST-12

Soru 1.



Yukarıdaki şekilde
ABCD dik yamuktur

$$[AD] \perp [AB]$$

$$|AB| = 19 \text{ cm}, |CD| = 14 \text{ cm},$$

$$|AD| = 12 \text{ cm} \text{ ise } |BC| = x = ?$$

A) 13

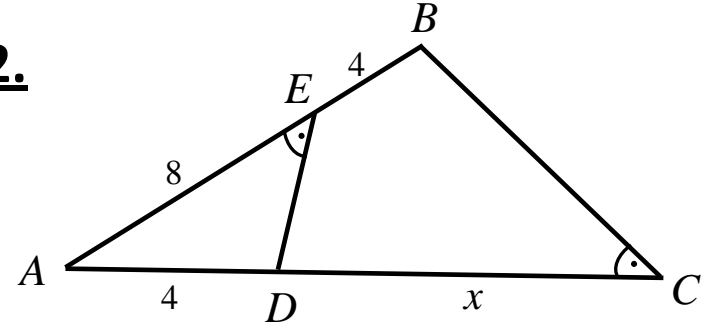
B) 15

C) 16

D) 17

E) 18

Soru 2.



Yukarıdaki ABC üçgeninde

$$s(AED) = s(BCD)$$

$$|AD| = |EB| = 4 \text{ cm},$$

$$|AE| = 8 \text{ cm} \text{ ise } |DC| = x \text{ kaç cm olur?}$$

A) 20

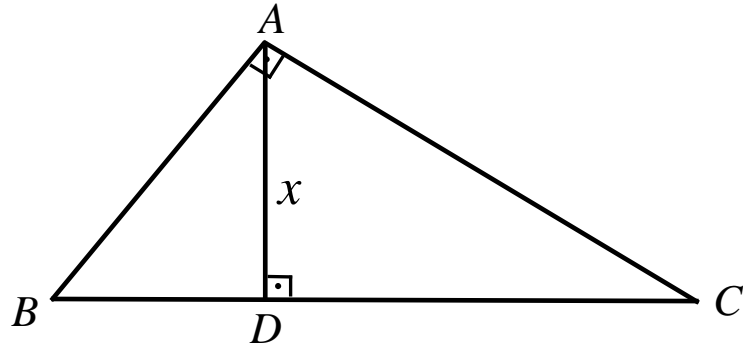
B) 16

C) 12

D) 10

E) 8

Soru 3.



Yukarıdaki ABC üçgeninde

$$[AB] \perp [AC], [AD] \perp [BC]$$

$$|BD| = 8 \text{ cm}, |DC| = 10 \text{ cm}$$

$$|AD| = x \text{ kaç cm olur?}$$

A) 4

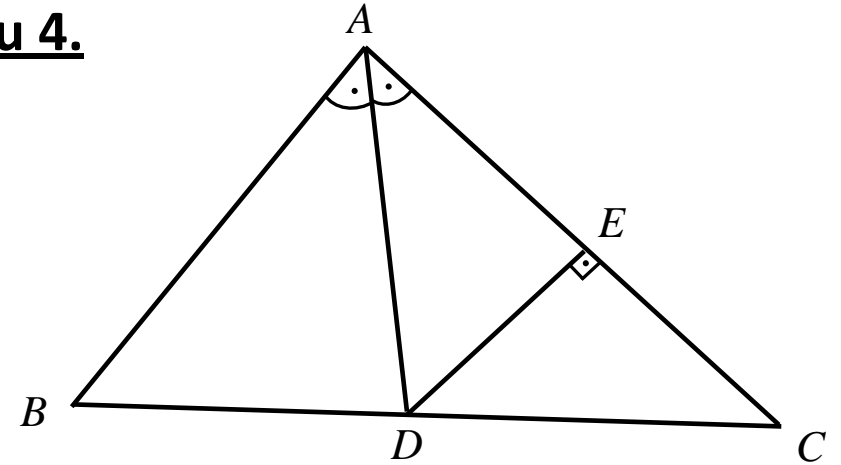
B) 6

C) $4\sqrt{3}$

D) $4\sqrt{5}$

E) $6\sqrt{2}$

Soru 4.



Yukarıdaki ABC üçgeninde

$[AD]$, A açısının açıortayıdır.

$$[DE] \perp [AC]$$

$$|DE| = 8 \text{ cm}, |AB| = 10 \text{ cm ise}$$

$A(ABD)$ kaç cm^2 olur?

A) 20

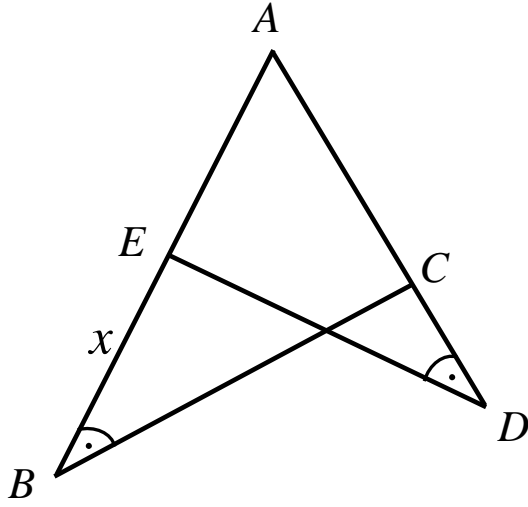
B) 40

C) 60

D) 80

E) 98

Soru 7.



Yukarıdaki şekilde

$$s(ABC) = s(ADE)$$

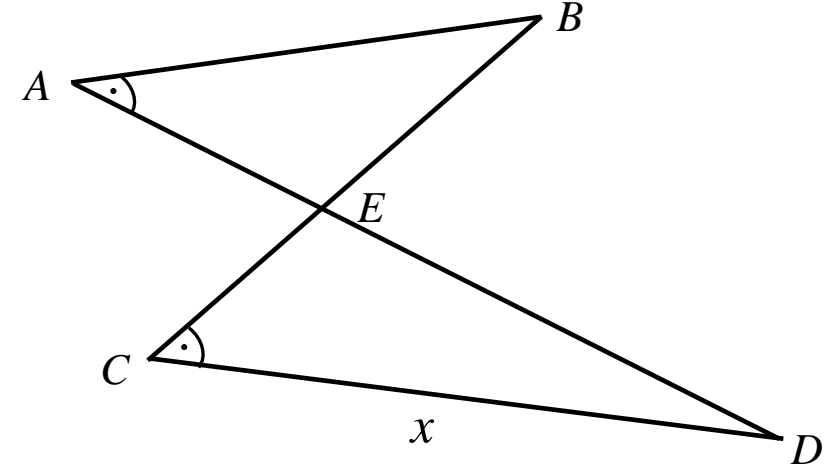
$$|AE| = 4 \text{ cm}, |AC| = 6 \text{ cm}$$

$$|CD| = 3 \text{ cm} \text{ ise } |BE| = x \text{ uzunluğu}$$

kaç cm olur?

- A) 8 B) $\frac{19}{2}$ C) 11
D) 12 E) $\frac{27}{2}$

Soru 8.



Yukarıdaki şekilde

$$[AD] \cap [BC] = \{E\}$$

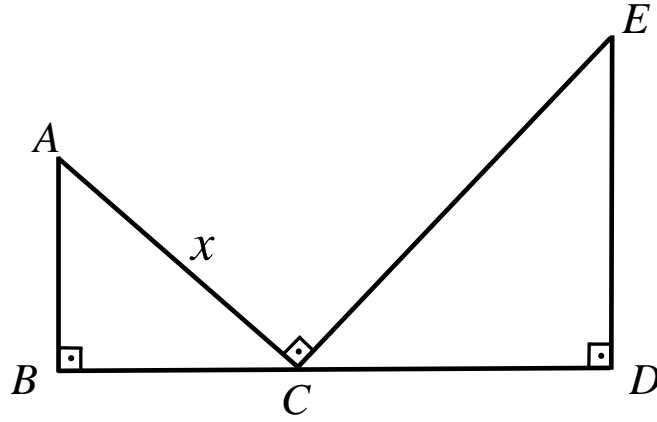
$$s(BAE) = s(DCE)$$

$$\frac{|AE|}{|CE|} = \frac{4}{5}$$

$$|AB| = 20 \text{ cm} \text{ ise } |CD| = x \text{ kaç cm olur?}$$

- A) 16 B) 20 C) 24
D) 25 E) 32

Soru 9.



Yukarıdaki şekilde

$$[AB] \perp [BD], [BD] \perp [ED],$$

$$[AC] \perp [CE]$$

$$\frac{|AB|}{|CD|} = \frac{3}{5}$$

$|CE| = 20 \text{ cm}$ ise $|AC| = x$ kaç cm olur?

A) 12

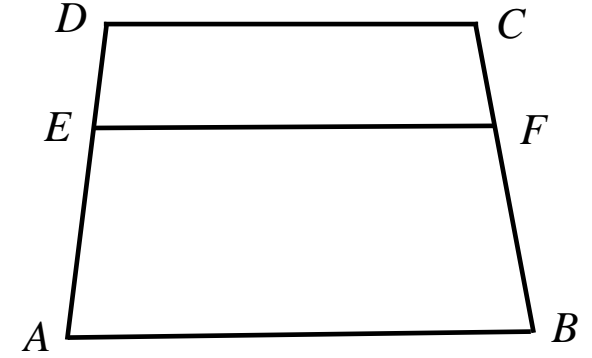
B) 15

C) 16

D) 21

E) 25

Soru 10.



Yukarıdaki şekilde

$$[AB] // [EF] // [DC]$$

$$\frac{|DE|}{|EA|} = \frac{3}{5}$$

$$|DC| = 10 \text{ cm}, |EF| = 12 \text{ cm}$$

ise $|AB| = x$ kaç cm olur?

A) 15

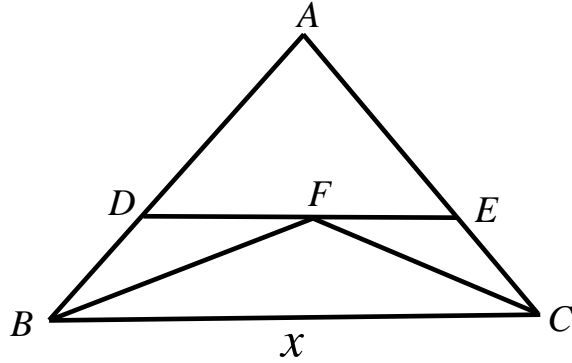
B) $\frac{46}{3}$

C) 17

D) $\frac{50}{3}$

E) 18

Soru 11.



Yukarıdaki ABC üçgeninde

$[BF]$ ve $[CF]$,

B ve C açılarının açıortayıdır.

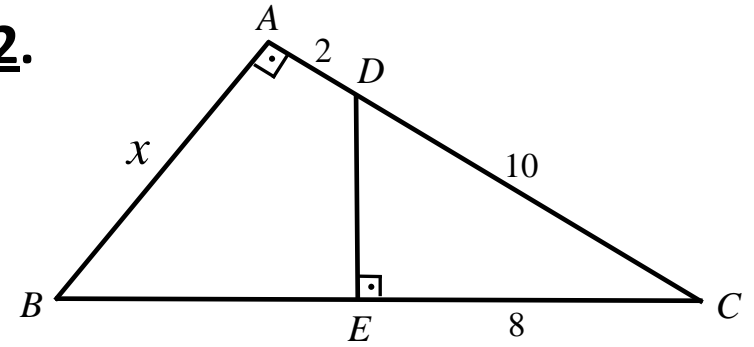
$[DE] \parallel [BC]$

$|AD| = 8 \text{ cm}$, $|BD| = 6 \text{ cm}$, $|CE| = 4 \text{ cm}$

ise $|BC| = x$ kaç cm olur?

- A) 15 B) 17 C) $\frac{35}{2}$
D) $\frac{55}{3}$ E) 19

Soru 12.



Yukarıdaki ABC üçgeninde

$s(A) = 90^\circ$

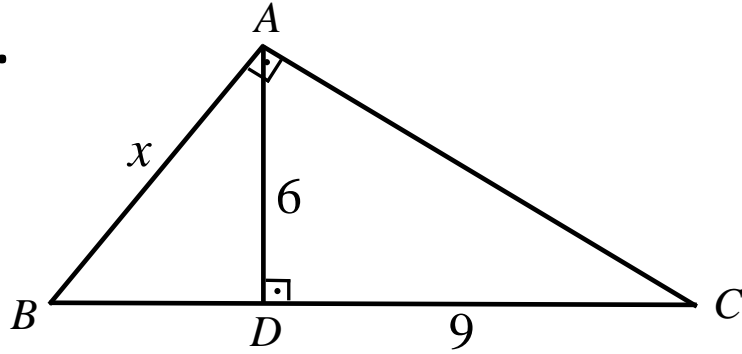
$[DE] \perp [BC]$

$|DC| = 10 \text{ cm}$, $|AD| = 2 \text{ cm}$, $|CE| = 8 \text{ cm}$

ise $|AB| = x$ kaç cm olur?

- A) 7 B) 8 C) 9
D) 12 E) 14

Soru 13.



Yukarıdaki ABC üçgeninde

$$[AB] \perp [AC], [AD] \perp [BC]$$

$$|AD| = 6 \text{ cm}, |DC| = 9 \text{ cm}$$

$$|AB| = x \text{ kaç cm olur?}$$

A) $8\sqrt{2}$

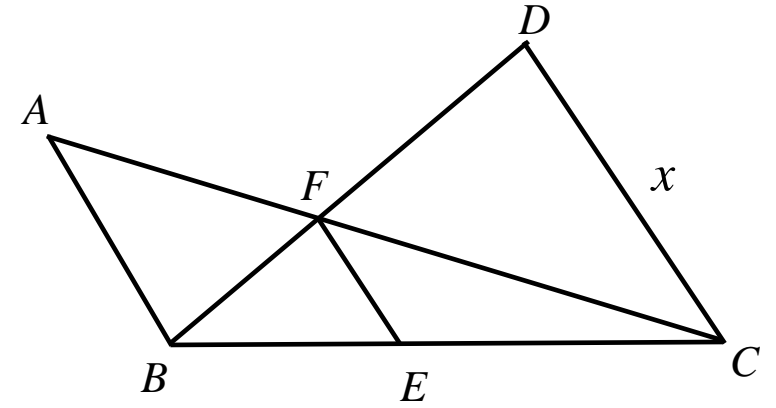
B) $6\sqrt{3}$

C) $2\sqrt{13}$

D) $5\sqrt{2}$

E) $4\sqrt{3}$

Soru 14.



Yukarıdaki şekilde

$$[AB] // [FE] // [DC]$$

$$|FE| = 6 \text{ cm}, |AB| = 10 \text{ cm ise}$$

$$|DC| = x \text{ kaç cm olur?}$$

A) 12

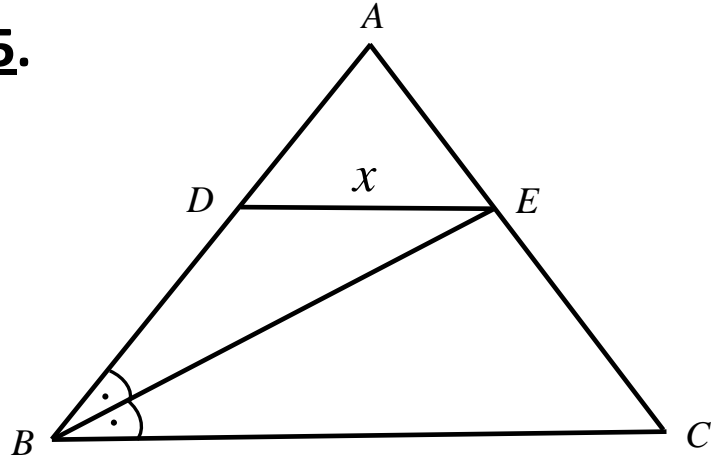
B) 15

C) 18

D) 20

E) 21

Soru 15.



Yukarıdaki ABC üçgeninde

$[BE]$ B açısının açıortayıdır.

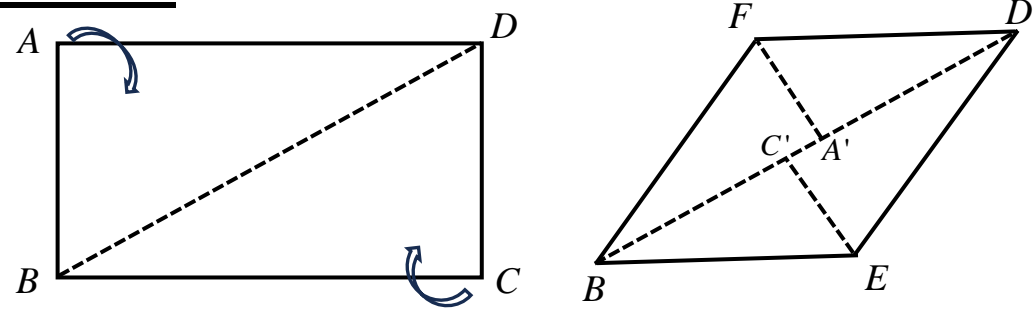
$[DE] // [BC]$

$|AE| = 6 \text{ cm}$, $|EC| = 8 \text{ cm}$, $|BC| = 12 \text{ cm}$

ise $|DE| = x$ kaç cm olur?

- A) 5 B) $\frac{36}{7}$ C) 7
D) 8 E) $\frac{25}{3}$

Soru 16.



Yukarıdaki şekilde $ABCD$ dikdörtgeni

A ve C köşelerinden kenarları

köşegen üzerine gelecek şekilde

katlanıyor.

$|AB| = 6 \text{ cm}$, $|BC| = 8 \text{ cm}$

ise $|A'C'|$ kaç cm olur?

- A) 1,2 B) 1,8 C) 2
D) 2,2 E) 2,5