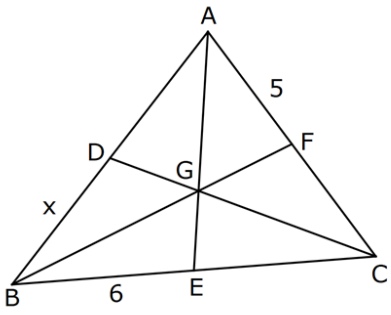
ÜÇGENDE KENARORTAY

1)

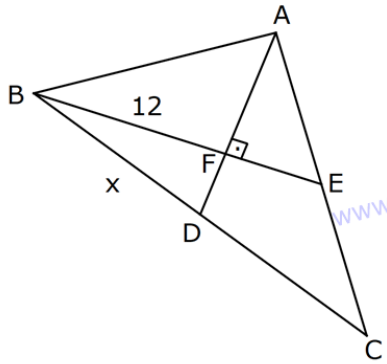


ABC üçgen,
G, ağırlık merkezi
$|BE| = 6$ cm
$|AF| = 5$ cm
Ç(ABC) = 30 cm
$|BD| = x$

[AE], [CD], [BF] doğru parçaları G noktasında kesiştiklerine göre, x kaç cm dir?

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

2)

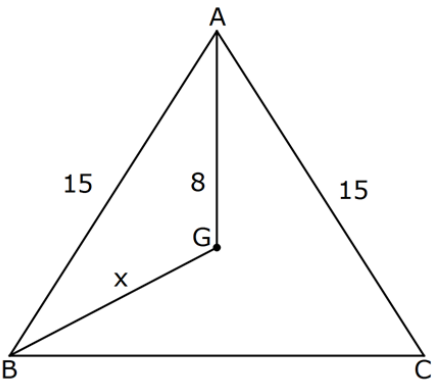


ABC üçgen
AD ve BE kenarortay
$AD \perp BE$
$|AC| = 20$ br
$|BF| = 12$ br
$|BD| = x$

Yukarıda verilenlere göre x kaç br dir?

A) 4 B) $3\sqrt{5}$ C) 6 D) $4\sqrt{10}$ E) 8

3)

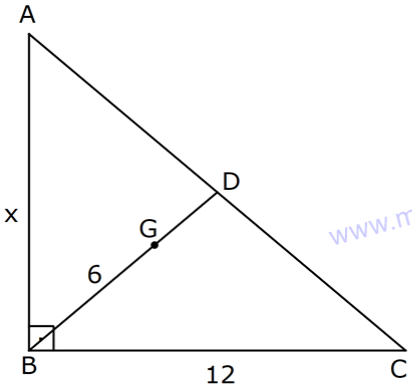


ABC üçgen
G, ağırlık merkezi
$|AB| = 15$ br
$|AG| = 8$ br
$|AC| = 15$ br
$|BG| = x$

Yukarıda verilenlere göre, x kaç br dir?

A) $\sqrt{73}$ B) $\sqrt{78}$ C) $\sqrt{82}$ D) $\sqrt{85}$ E) $\sqrt{97}$

4)



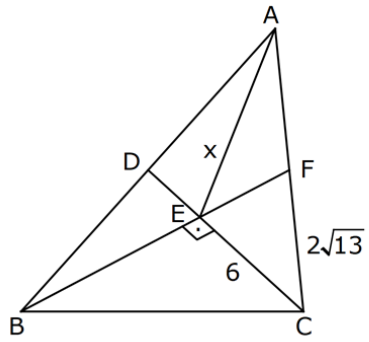
ABC üçgen
BD kenarortay
G, ağırlık merkezi
$|BG| = 6$ br
$|BC| = 12$ br
$|AB| = x$

Yukarıda verilenlere göre, x kaç br dir?

A) $6\sqrt{5}$ B) 10 C) $8\sqrt{6}$ D) 12 E) $10\sqrt{3}$

www.matematikkolay.net

5)



ABC üçgen

BF ve CD kenarortay

$|FC| = 2\sqrt{13}$ cm

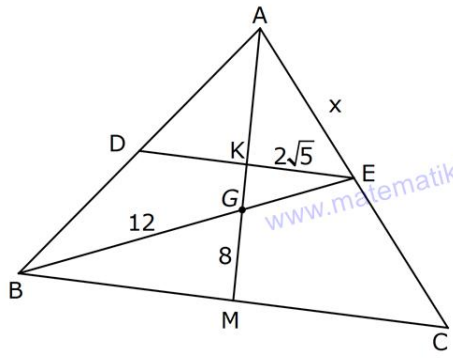
$|EC| = 6$ cm

$|AE| = x$

Yukarıda verilenlere göre, x kaç cm dir?

A) 8 B) 10 C) 12 D) 13 E) 14

6)



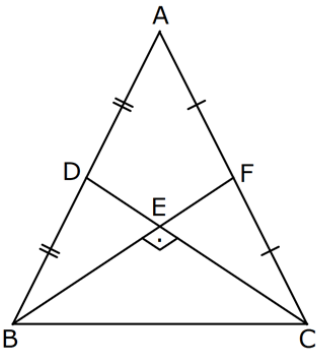
ABC üçgen, G ağırlık merkezi, DE // BC

B,G,E doğrusal ve A,K,G,M doğrusal

$|BG| = 12$ cm, $|GM| = 8$ cm ve $|KE| = 2\sqrt{5}$ cm olduğuna göre, $|AE| = x$ kaç cm dir?

A) $3\sqrt{17}$ B) $2\sqrt{41}$ C) $4\sqrt{19}$ D) $\sqrt{103}$ E) $\sqrt{152}$

7)



ABC üçgen

$|AB| = 6$ cm

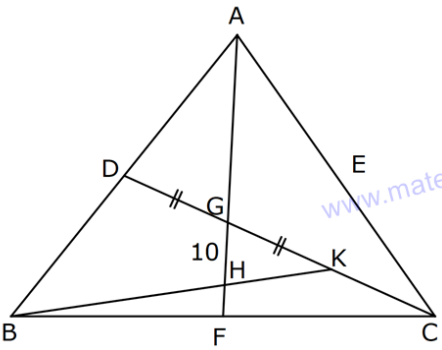
$|AC| = 8$ cm

$BF \perp DC$

Yukarıda verilenlere göre $|BC|$ kaç cm dir?

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

8)



ABC üçgen

AF ve CD kenarortay

$|DG| = |GK|$

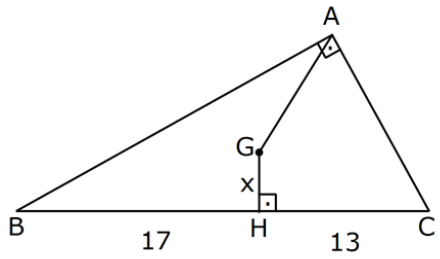
$|GH| = 10$ cm

Yukarıda verilenlere göre, $|AG|$ kaç cm dir?

A) 20 B) 24 C) 25 D) 30 E) 40

www.matematikkolay.net

9)

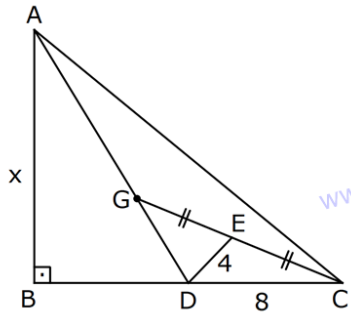


ABC üçgen
G, ağırlık merkezi
BA ⊥ AC
GH ⊥ BC
$|BH| = 17$ cm
$|HC| = 13$ cm

Yukarıda verilenlere göre, $|GH| = x$ kaç cm dir?

A) 3 B) $\sqrt{14}$ C) 4 D) $3\sqrt{2}$ E) $\sqrt{21}$

10)

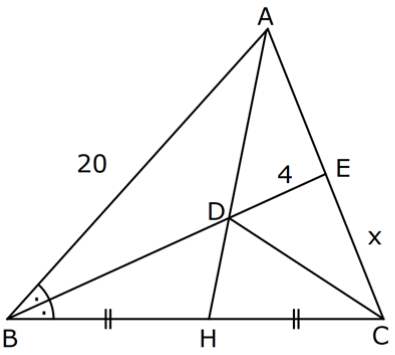


G, ABC üçgeninin ağırlık merkezi
$|GE| = |EC|$
$|ED| = 4$ cm
$|DC| = 8$ cm
$|AB| = x$

Yukarıda verilenlere göre, x kaç cm dir?

A) 16 B) $10\sqrt{3}$ C) $8\sqrt{5}$ D) 24 E) $6\sqrt{10}$

11)

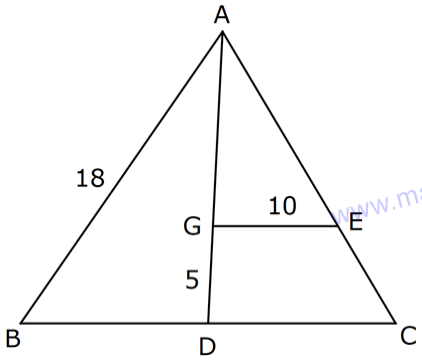


ABC üçgen,
BE açıortay
AH kenarortay
$|AD| = 2|DH|$
$|AB| = 20$ cm
$|DE| = 4$ cm
$|EC| = x$

Yukarıda verilenlere göre, x kaç cm dir?

A) 10 B) 12 C) 15 D) 16 E) 20

12)



ABC üçgen
G, ağırlık merkezi
GE // BC
$|GE| = 10$ cm
$|GD| = 5$ cm
$|AB| = 18$ cm

Yukarıda verilenlere göre, $|AC|$ kaç cm dir?

A) 12 B) 16 C) 18 D) 24 E) 30

1	C	**6**	B	**11**	D
2	D	**7**	C	**12**	D
3	E	**8**	D		
4	A	**9**	E		
5	B	**10**	C		

www.matematikkolay.net