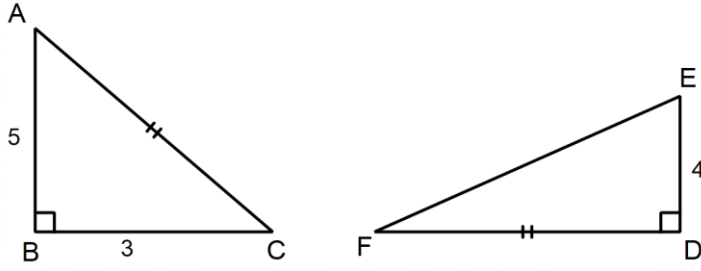




1. 
- ABC ve FDE dik üçgenlerinde,
 $|AB| = 5$ br $|BC| = 3$ br $|DE| = 4$ br
 $|AC| = |FD|$
 Buna göre $|FE|$ kaç birimdir?
- A) $5\sqrt{2}$ B) $\sqrt{51}$ C) $2\sqrt{13}$ D) $2\sqrt{15}$ E) 8

2. ABCD dörtgeninde,

$$[AB] \perp [BC]$$

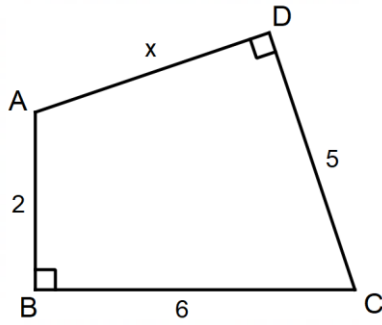
$$[CD] \perp [AD]$$

$$|AB| = 2$$
 br

$$|BC| = 6$$
 br

$$|CD| = 5$$
 br

$$|AD|$$
 kaç birimdir?



- A) $2\sqrt{3}$ B) $\sqrt{15}$ C) 4 D) $\sqrt{17}$ E) $3\sqrt{2}$

3. $m(\hat{ABC}) = 90^\circ$

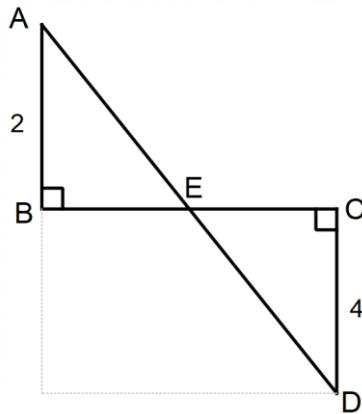
$$m(\hat{BCD}) = 90^\circ$$

$$|AB| = 2$$
 br

$$|CD| = 4$$
 br

$$|BC| = 8$$
 br

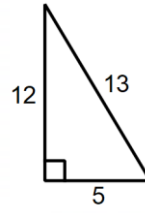
$$|AD|$$
 kaç birimdir?



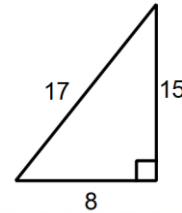
- A) 10 B) 11 C) 12 D) 13 E) 14

4. Aşağıdaki dik üçgenlerden hangisinin veya hangilerinin kenar uzunlukları doğru verilmiştir?

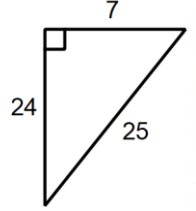
I)



II)



III)



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

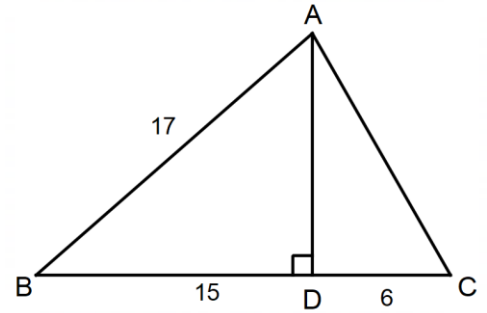
5. $|AD| \perp |BC|$

$$|AB| = 17$$
 br

$$|BD| = 15$$
 br

$$|DC| = 6$$
 br

$$|AC|$$
 kaç birimdir?



- A) $2\sqrt{14}$ B) $2\sqrt{15}$ C) 8 D) 9 E) 10

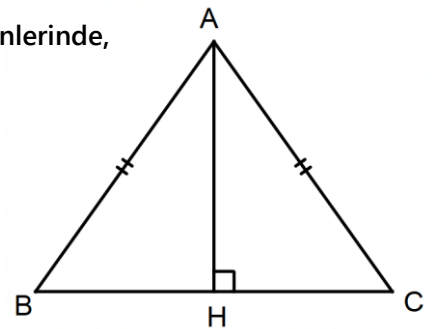
6. ABC ikizkenar üçgenlerinde,

$$|AB| = |AC| = 13$$
 br

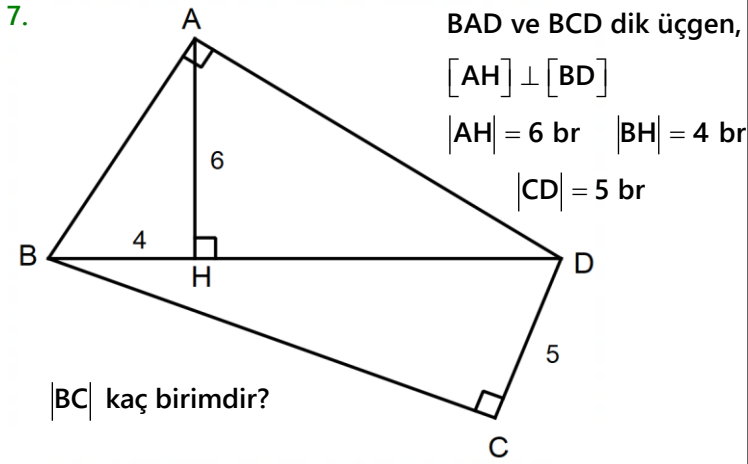
$$\text{Çevre}(ABC) = 36$$
 br

$$\text{Buna göre}$$

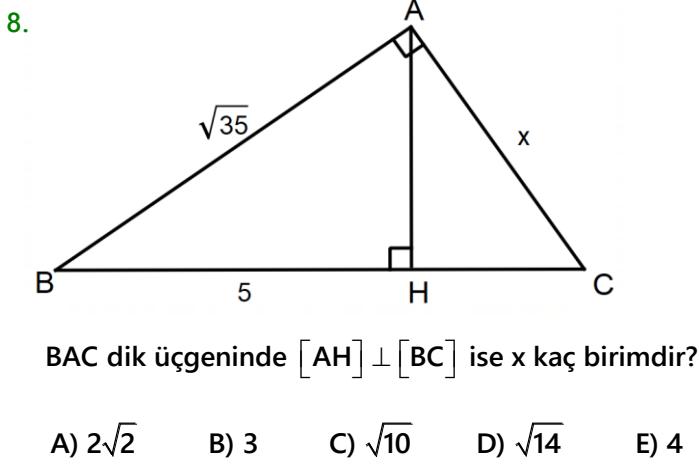
$$|AH|$$
 kaç birimdir?



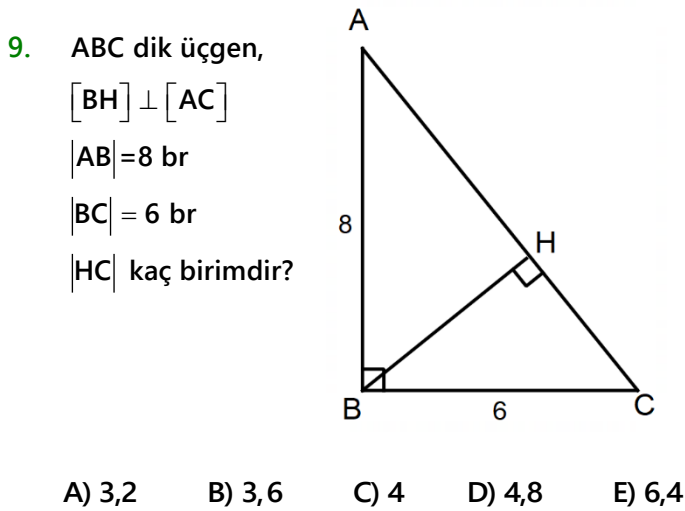
- A) 10 B) 11 C) 12 D) 13 E) 14



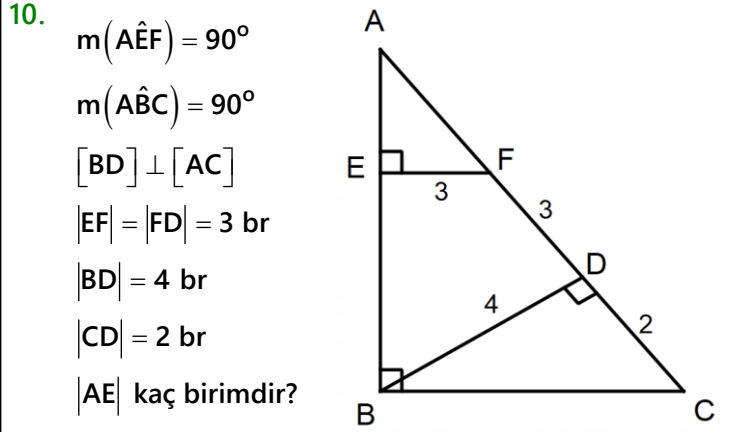
- A) 9 B) 10 C) 11 D) 12 E) 13



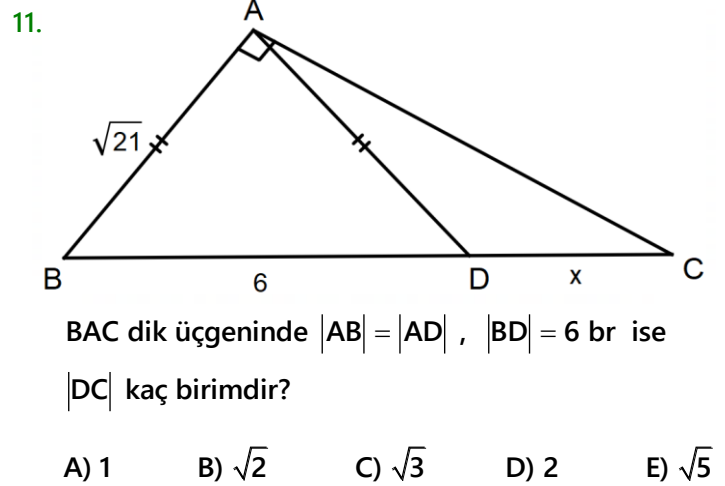
- A) $2\sqrt{2}$ B) 3 C) $\sqrt{10}$ D) $\sqrt{14}$ E) 4



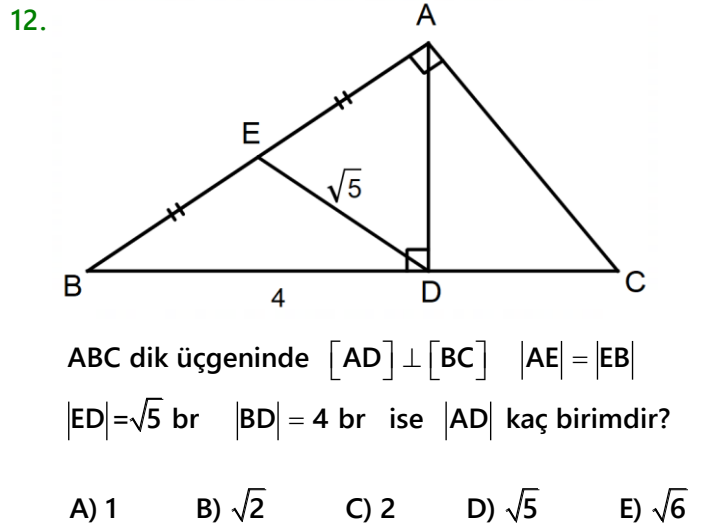
- A) 3,2 B) 3,6 C) 4 D) 4,8 E) 6,4



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

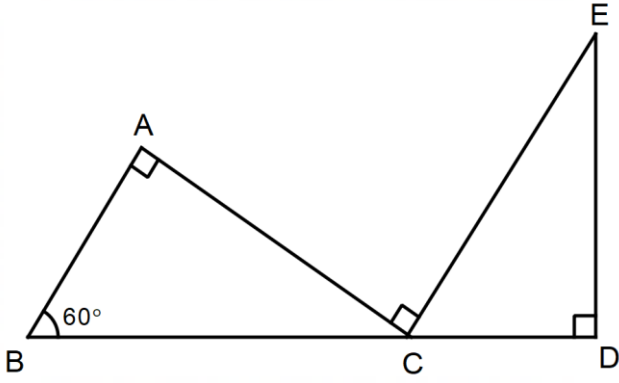


- A) 1 B) $\sqrt{2}$ C) $\sqrt{3}$ D) 2 E) $\sqrt{5}$



- A) 1 B) $\sqrt{2}$ C) 2 D) $\sqrt{5}$ E) $\sqrt{6}$

13.

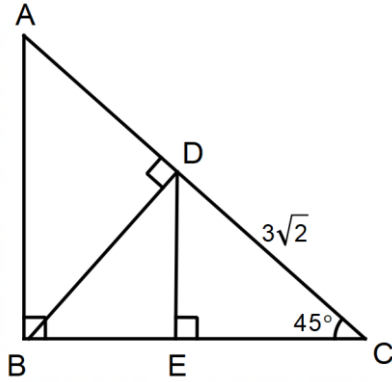


Yukarıdaki şekilde $|CE| = 2|AB|$ ve $|BD| = 12$ br ise $|AC|$ kaç birimdir?

- A) $4\sqrt{2}$ B) $4\sqrt{3}$ C) 8 D) $8\sqrt{3}$ E) 12

14.

$m(\hat{ABC}) = 90^\circ$
 $m(\hat{BDA}) = 90^\circ$
 $m(\hat{DEC}) = 90^\circ$
 $|CD| = 3\sqrt{2}$ ise
 $|AB|$ kaç birimdir?



- A) $3\sqrt{6}$ B) 6 C) $6\sqrt{2}$ D) $6\sqrt{3}$ E) 12

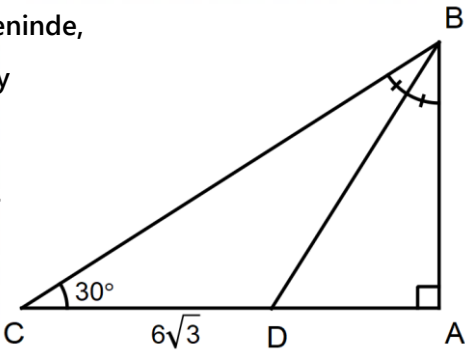
15. CAB dik üçgeninde,

$[BD]$ açıortay

$m(\hat{C}) = 30^\circ$

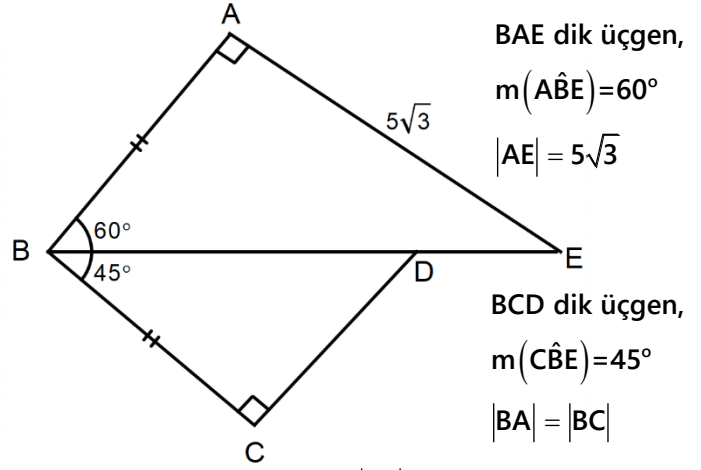
$|CD| = 6\sqrt{3}$ br

$|AB|$ kaç birimdir?



- A) $3\sqrt{3}$ B) 6 C) $6\sqrt{3}$ D) 9 E) 12

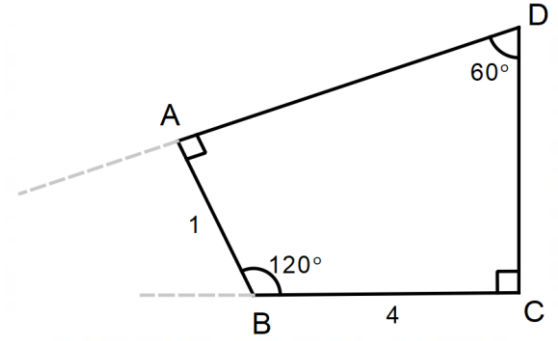
16.



Yukarıda verilenlere göre $|DE|$ kaç birimdir?

- A) $4\sqrt{2}$ B) $4\sqrt{3}$ C) 8 D) $5\sqrt{2}$ E) $10 - 5\sqrt{2}$

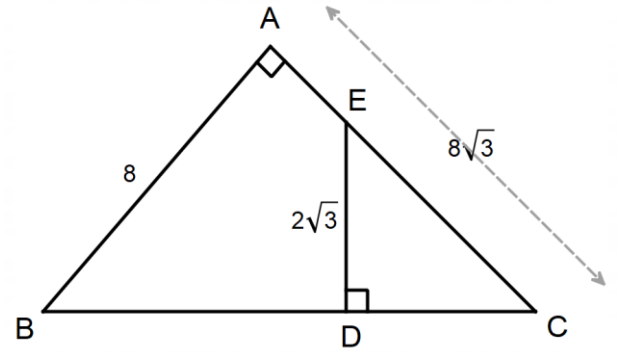
17.



ABCD dörtgeninde $m(\hat{ABC}) = 120^\circ$, $m(\hat{ADC}) = 60^\circ$
 $m(\hat{BAD}) = m(\hat{BCD}) = 90^\circ$ ise $|CD|$ kaç birimdir?

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

18.



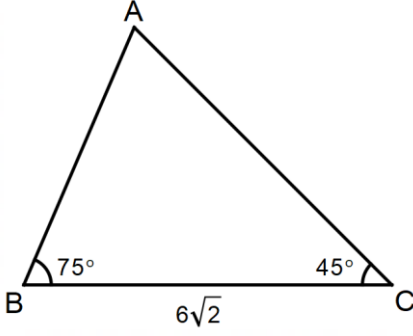
BAC dik üçgeninde $[ED] \perp [BC]$

$|AB| = 8$ br $|AC| = 8\sqrt{3}$ br $|DE| = 2\sqrt{3}$ br

$|BD|$ kaç birimdir?

- A) $4\sqrt{3}$ B) $6\sqrt{3}$ C) 8 D) 9 E) 10

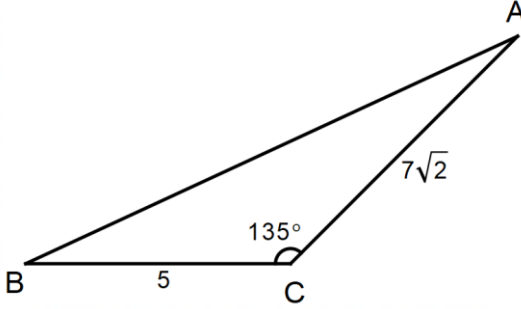
19.



ABC üçgeninde, $m(\hat{A}BC) = 75^\circ$, $m(\hat{B}CA) = 45^\circ$
 $|BC| = 6\sqrt{2}$ ise $|AB|$ kaç birimdir?

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

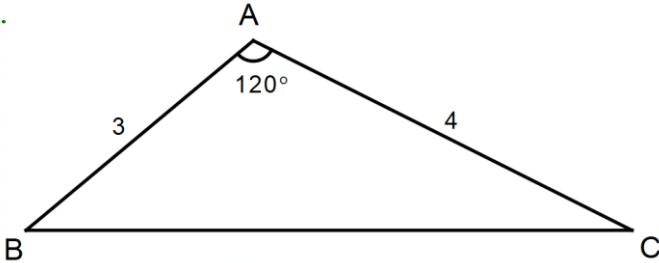
20.



ABC üçgeninde, $m(\hat{B}CA) = 135^\circ$
 $|BC| = 5$ br, $|AC| = 7\sqrt{2}$ br ise $|AB|$ kaç birimdir?

- A) 11 B) 12 C) 13 D) $6\sqrt{5}$ E) $\sqrt{193}$

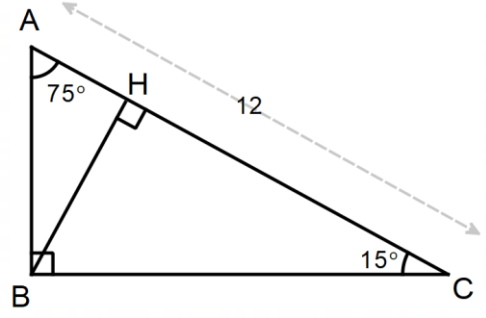
21.



ABC üçgeninde, $m(\hat{B}AC) = 120^\circ$
 $|AB| = 3$ br, $|AC| = 4$ br ise $|BC|$ kaç birimdir?

- A) $\sqrt{37}$ B) $\sqrt{39}$ C) $2\sqrt{10}$ D) $2\sqrt{11}$ E) $3\sqrt{5}$

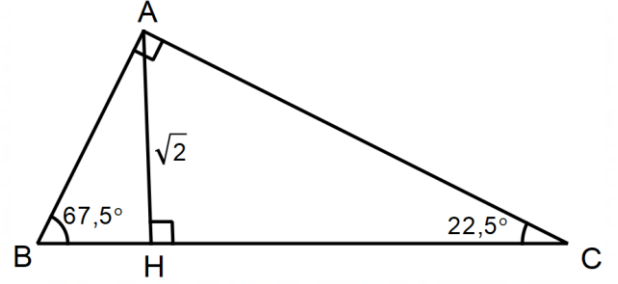
22.



ABC dik üçgeninde, $m(\hat{B}AC) = 75^\circ$, $m(\hat{A}CB) = 15^\circ$
 $[BH] \perp [AC]$ $|AC| = 12$ ise $|BH|$ kaç birimdir?

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

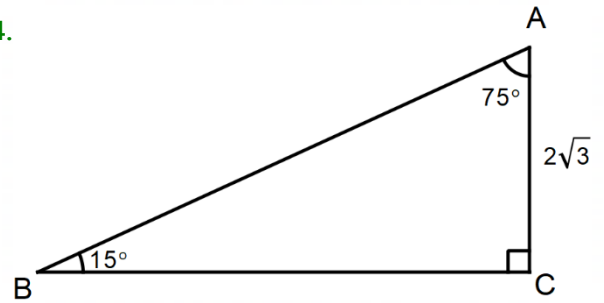
23.



BAC dik üçgeninde, $m(\hat{A}BC) = 67,5^\circ$, $m(\hat{A}CB) = 22,5^\circ$
 $[AH] \perp [BC]$ $|AH| = \sqrt{2}$ ise $|BC|$ kaç birimdir?

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

24.

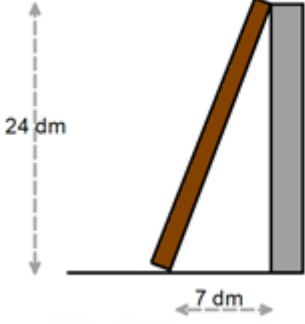


BCA dik üçgeninde $m(\hat{A}BC) = 15^\circ$, $m(\hat{B}AC) = 75^\circ$
 $|AC| = 2\sqrt{3}$ br ise $|BC|$ kaç birimdir?

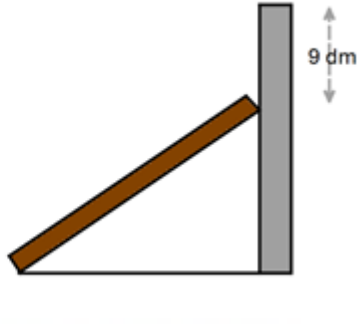
- A) $4\sqrt{3}+6$ B) $4\sqrt{3}$ C) 12 D) $6\sqrt{3}$ E) $2\sqrt{3}+4$

25.

Şekil 1



Şekil 2

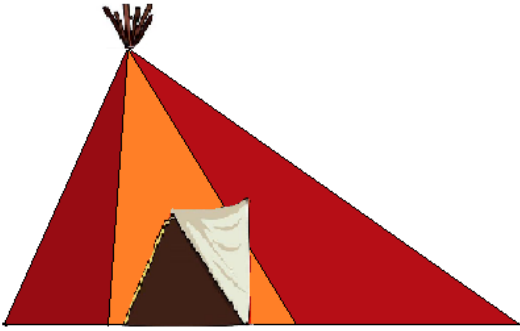


Şekil 1 de bir kalas 24 dm uzunluğunda dik bir duvara alt ucu duvardan 7 dm uzakta olacak şekilde dayanıyor.

Şekil 2 de görüldüğü üzere kalasın duvara dayalı üst ucu 9 dm aşağı kayarsa alt ucu eski konumundan kaç dm uzaklaşır?

- A) 11 B) 12 C) 13 D) 14 E) 15

26.



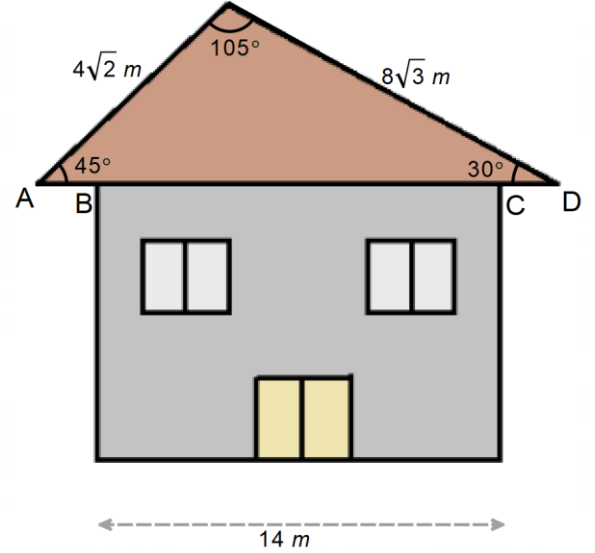
Yukarıdaki Kızılderili çadırı karşıdan bakıldığında üçgen şeklindedir ve tepe açısı 90° dir.

Bu çadırın tepe noktasının sol alt köşesine uzaklığı 10 metre, çadırı dik tutan ahşap dikmenin boyu ise 6 metredir.

Buna göre bu çadırın genişliği kaç metredir?

- A) 4,5 B) 6 C) 7,5 D) 10 E) 12,5

27.



Yukarıdaki ön cephesi dikdörtgen şeklinde olan evin çatısının dışarı uzanan AB ve CD bölümleri eşit uzunluktadır.

Buna göre bu dışarı uzanan parçaların boyları kaçar metredir?

- A) 1 B) $\sqrt{2}$ C) $\sqrt{3}$ D) 2 E) 3

28.



Yukarıdaki dağ A, B, C noktaları birleştirilerek bir üçgen şeklinde modellendiğinde oluşan ABC üçgeninde,

$$m(\hat{A}BC) = 75^\circ$$

$$m(\hat{A}CB) = 15^\circ$$

$$|BC| = 2840 \text{ metre}$$

Buna göre bu dağın yüksekliği kaç metredir?

- A) 640 B) 680 C) 695 D) 710 E) 720