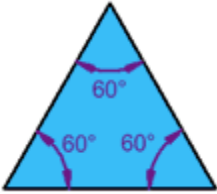
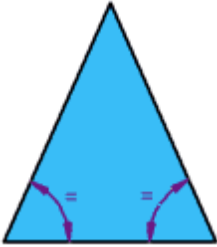

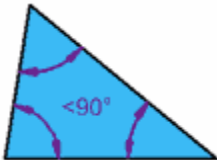


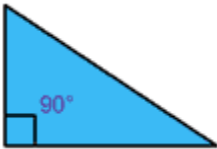
Task 1. Look at the pictures below and write the title for triangles:

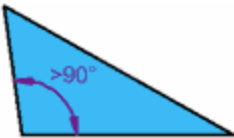
1.  **Three** equal sides.
Three equal angles, always 60° .


2.  **Two** equal sides.
Two equal angles.

3.  **No** equal sides.
No equal angles.

4.  **All** angles are less than 90° .

5.  Has a right angle (90°).

6.  Has an angle more than 90° .

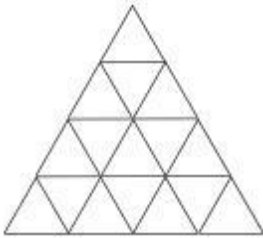
7.  Has a right angle (90°), and also two equal angles.
Can you guess what the equal angles are?

Task 2. Question 1.

How many triangles similar to this equilateral triangle

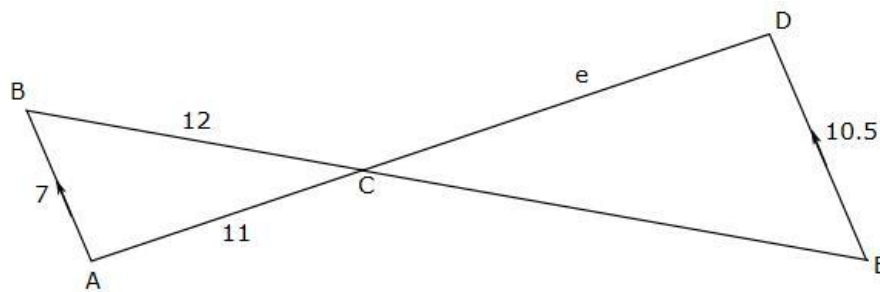


are there in the following diagram?



- A. 10** **B. 16**
- C. 26** **D. 27**

Question 2.



- A. 14.5** **B. 16.5**
- C. 17.5** **D. 18**

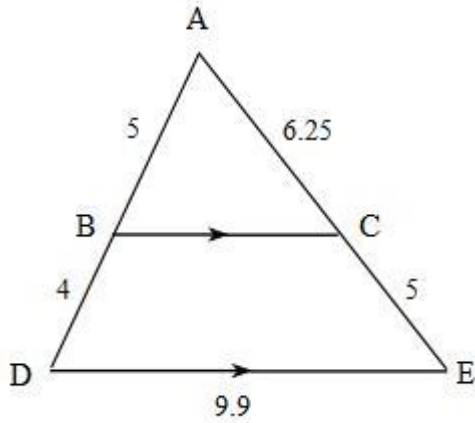
In the diagram:

AB is parallel to ED, the points B, C and E lie on a straight line, and the points A, C and D also lie on a straight line. What is the value of e (the length of CD) ?

Notes: _____

Question 3.

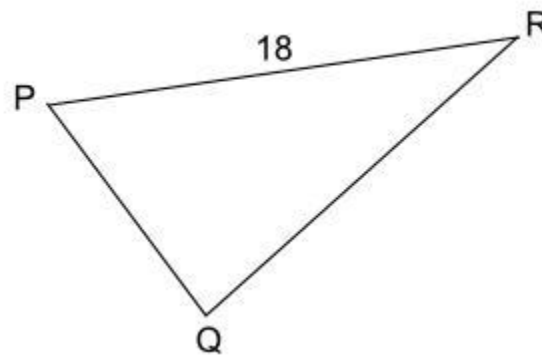
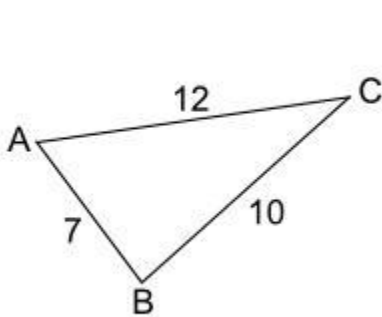
- A. 3.65** **B. 4.9**
- C. 5.5** **D. 5.9**



Notes: _____

BC is parallel to DE. What is the length of BC?

Question 4.



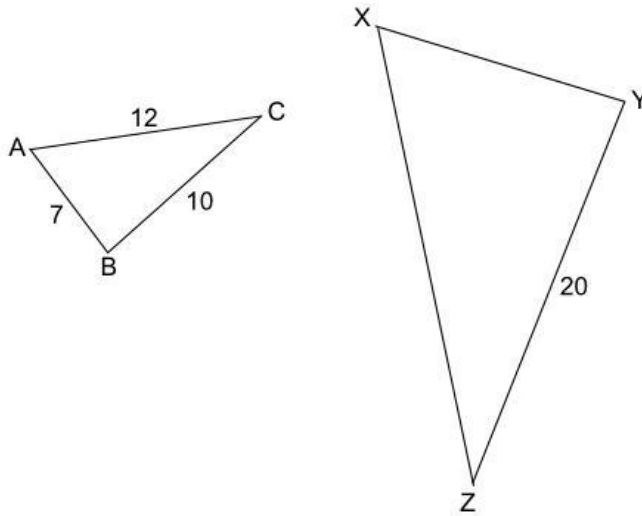
- A. 9
- B. 10.5
- C. 13
- D. 15

Triangles ABC and PQR are similar. What is the length of PQ?

Notes: _____

Question 5.

- A. 9
- B. 10.5



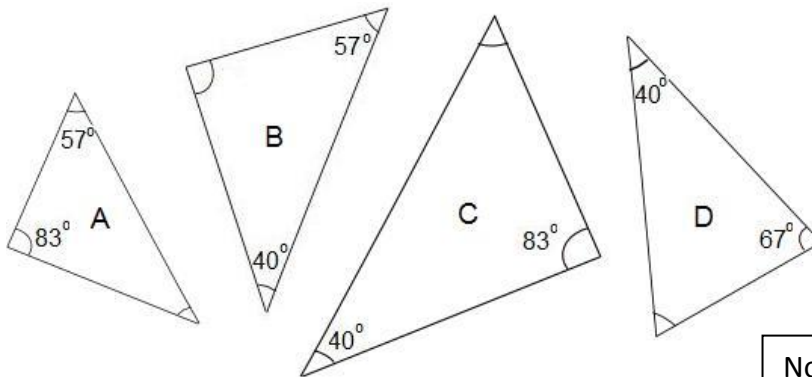
C. 13

D. 15

Notes: _____

Triangles ABC and XYZ are similar. What is the length of XZ?

Task 3. Question 1.



A. A

B. B

C. C

D. D

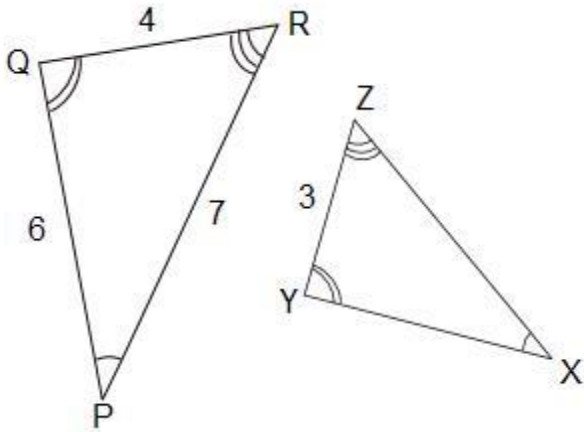
Notes: _____

Which triangle is NOT similar to the other three?

Question 2.

A. 2.57

B. 3.5

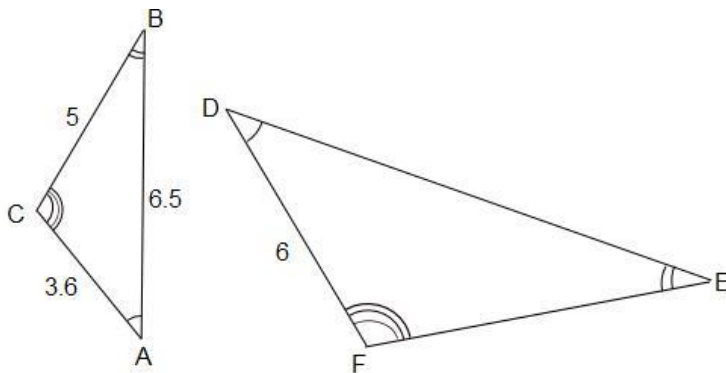


C. 5.25 D. 6

Triangles PQR and XYZ are similar.
What is the length of XZ?

Notes: _____

Question 3.



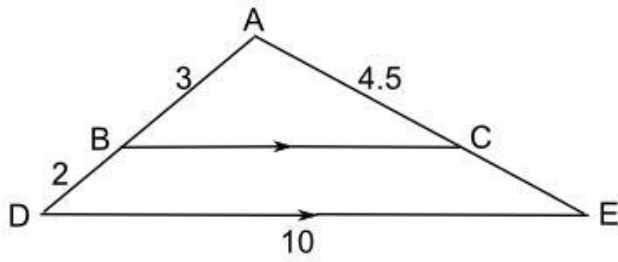
A. 7.4 B. 7.8
C. 8.33 D. 10.83

Triangles ABC and DEF are similar.
What is the length of EF?

Notes: _____

A. 7.4 B. 7.8
C. 8.33 D. 10.83

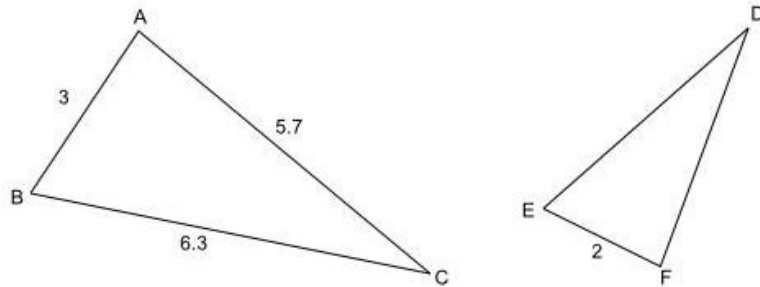
Question 4.



Notes: _____

BC is parallel to DE. What is the length of CE?

Question 5.



- A. 8**
- B. 4.2**
- C. 4.7**
- D. 5.3**

The two triangles are similar. What is the length of DE?

Notes: _____

