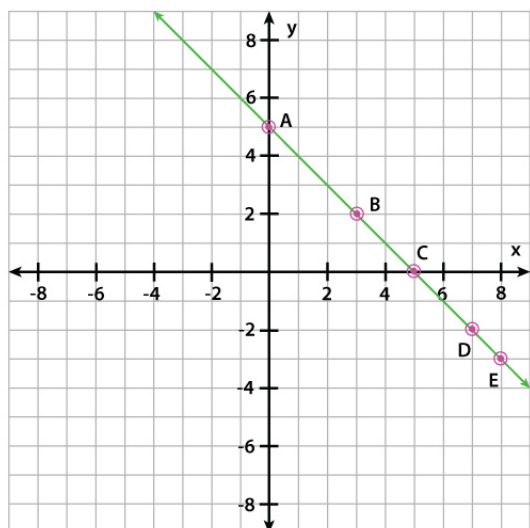


Name : _____

Score : _____ Date : _____

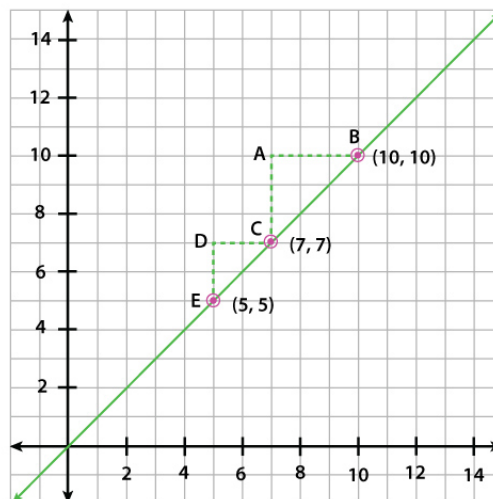
Slope and Similar Triangles Worksheet

1 List the coordinates of each point below:

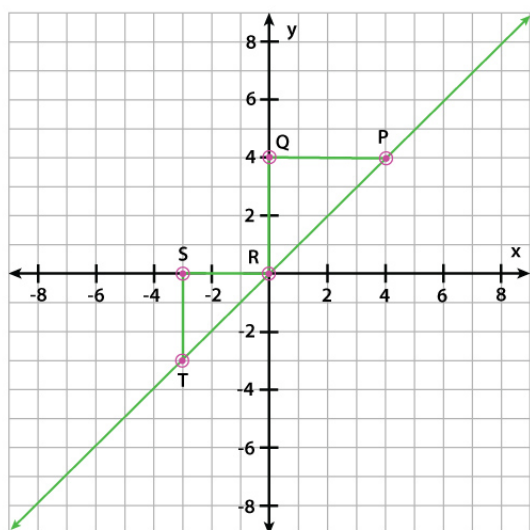


- A (__ , __)
- B (__ , __)
- C (__ , __)
- D (__ , __)
- E (__ , __)

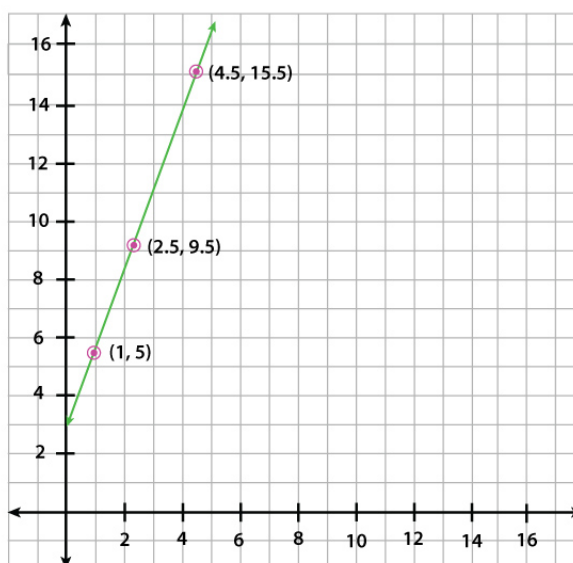
2 Find the length of the dotted lines in the graph. Prove if the two triangles formed are similar with the similarity statement.



3 Prove if the 2 given triangles are similar.



4 Do the points (1,5), (2.5, 9.5) and (4.5, 15.5) lie on the same line? How do you know. Prove your answer.



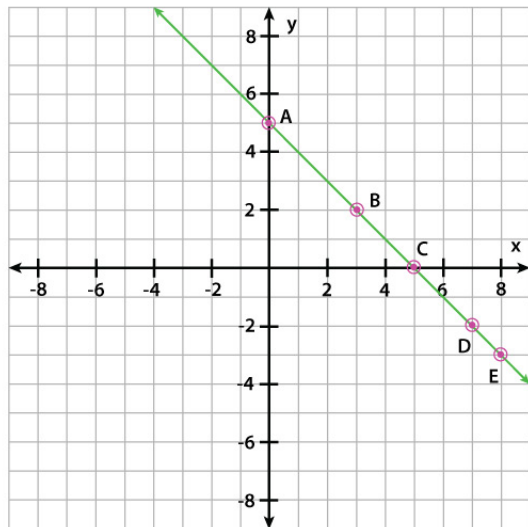
Name : _____

Score : _____ Date : _____

Answers

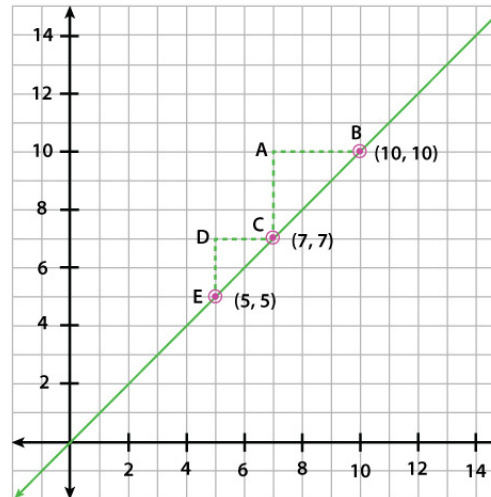
Slope and Similar Triangles Worksheet

1 List the coordinates of each point below:



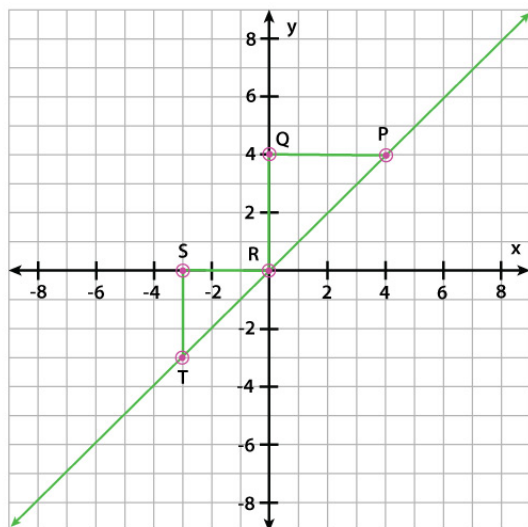
- A (0 , 5)
- B (3 , 2)
- C (5 , 0)
- D (7 , -2)
- E (8 , -3)

2 Find the length of the dotted lines in the graph. Prove if the two triangles formed are similar with the similarity statement.



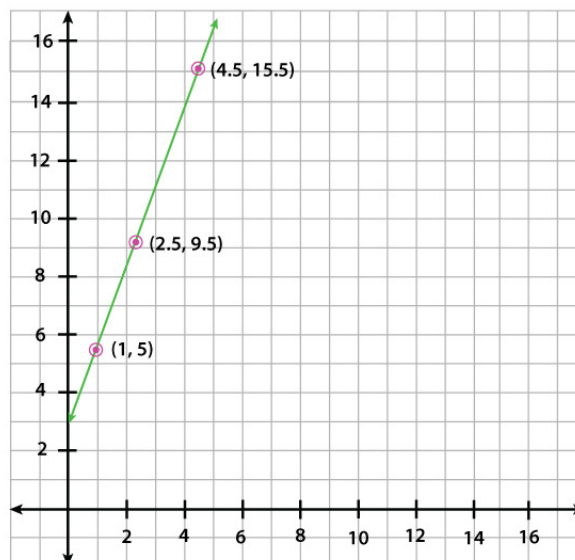
AB = 3 units, AC = 3 units, DC = 2 units,
DE = 2 units

3 Prove if the 2 given triangles are similar.



Yes, $\triangle PQR \sim \triangle RST$

4 Do the points (1,5), (2.5, 9.5) and (4.5, 15.5) lie on the same line? How do you know. Prove your answer.



Yes