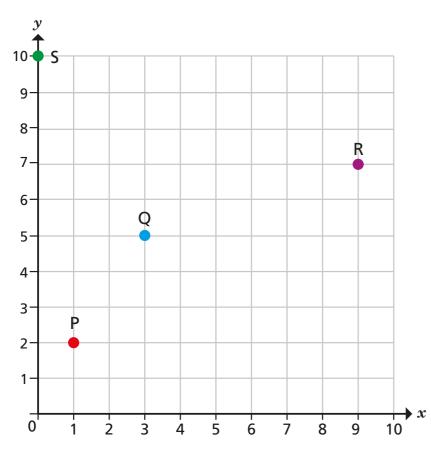
Translations



1

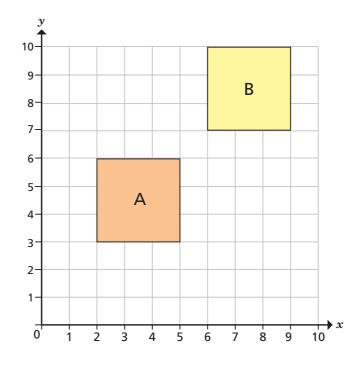


up

Describe the translations.

- a) From P to Q is right and
- b) From Q to R is right and up
- c) From R to S is left and up
- **d)** From S to P is _____ and ____
- e) From Q to P is _____ and ____
- f) From R to Q is _____ and ____
- g) From S to R is _____ and ____
- h) From P to S is _____ and

2



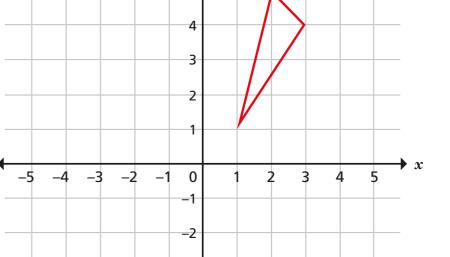
The translation from A to B is 1 right and 1 up.



Do you agree with Rosie? _____

Explain your answer.

3 Translate the triangle 6 left.

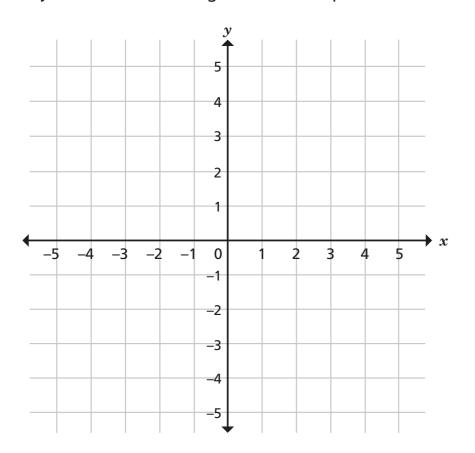


-3

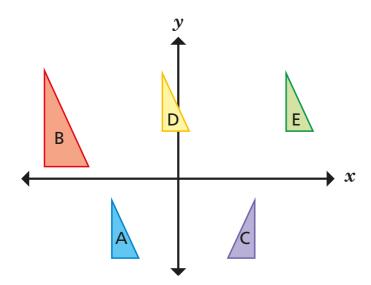


These coordinates form a quadrilateral: (-5, 5), (-5, 1), (-1, 4), (-1, 2) It is translated 3 right and 4 down.

Draw the quadrilateral on the grid in its **new** position.





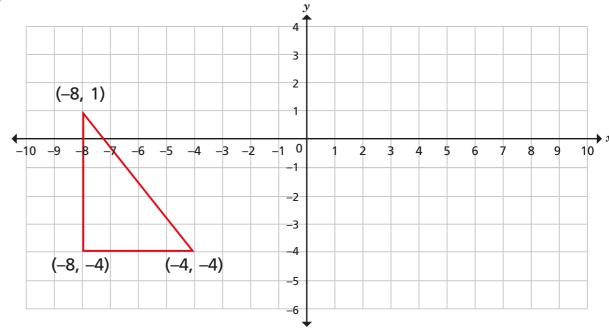


Which triangles are translations of each other?

Explain why the others are not translations.



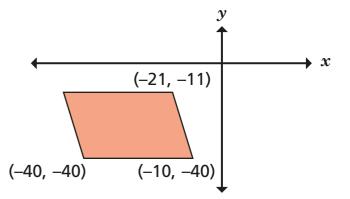
6 A triangle is drawn on the coordinate grid.



- a) Translate the triangle 9 right and 1 down.
- b) Tick the correct box for each coordinate.

Point	Inside the new triangle	Outside the new triangle	On the perimeter of the new triangle
(0, 0)			
(4, -5)			
(2, -1)			
(-6, -3)			
(3, -4)			





This parallelogram has been translated 50 left and 25 down.

What were the coordinates of **all four** vertices before it was translated?



