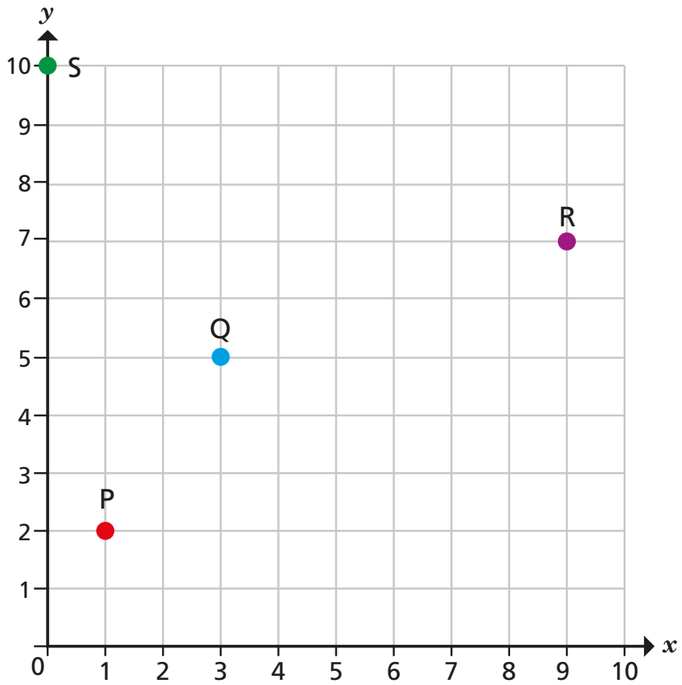
Translations

1



Describe the translations.

a) From P to Q is [2] right and [3] up

b) From Q to R is [6] right and [2] up

c) From R to S is [9] left and [3] up

d) From S to P is [1] right and [8] down

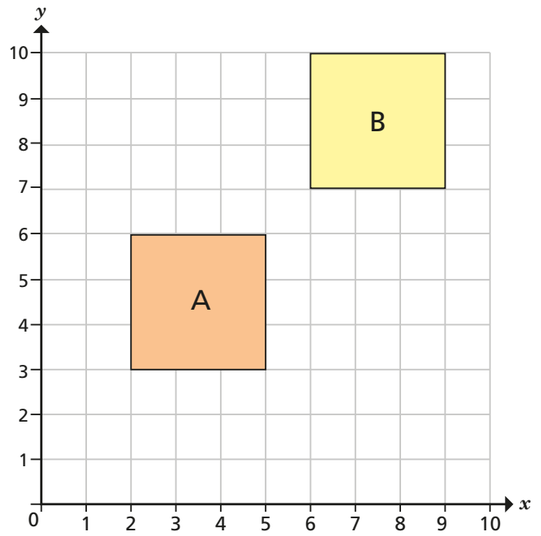
e) From Q to P is [2] left and [3] down

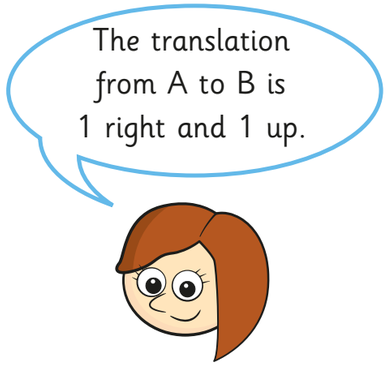
f) From R to Q is [6] left and [2] down

g) From S to R is [9] right and [3] down

h) From P to S is [1] left and [8] up

2



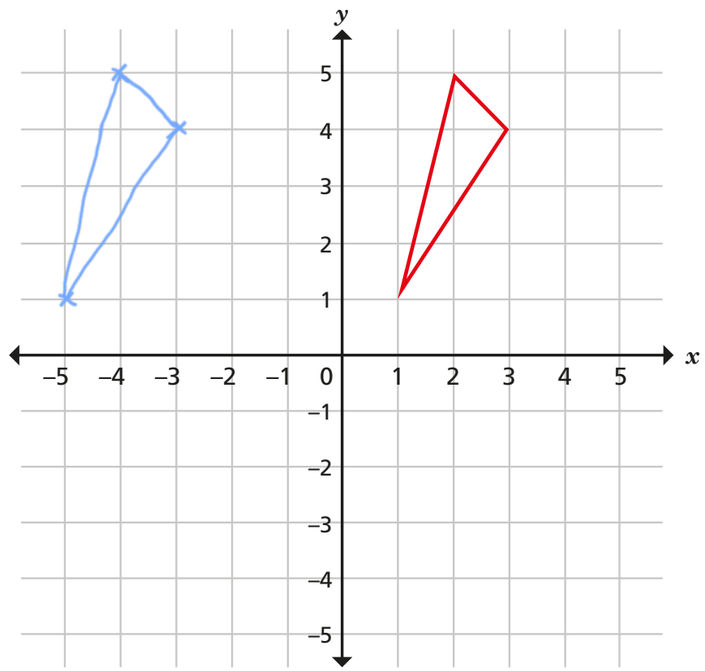


Do you agree with Rosie? No

Explain your answer.

She has looked at the corners closest to each other not the corresponding corners on each shape.

3 Translate the triangle 6 left.

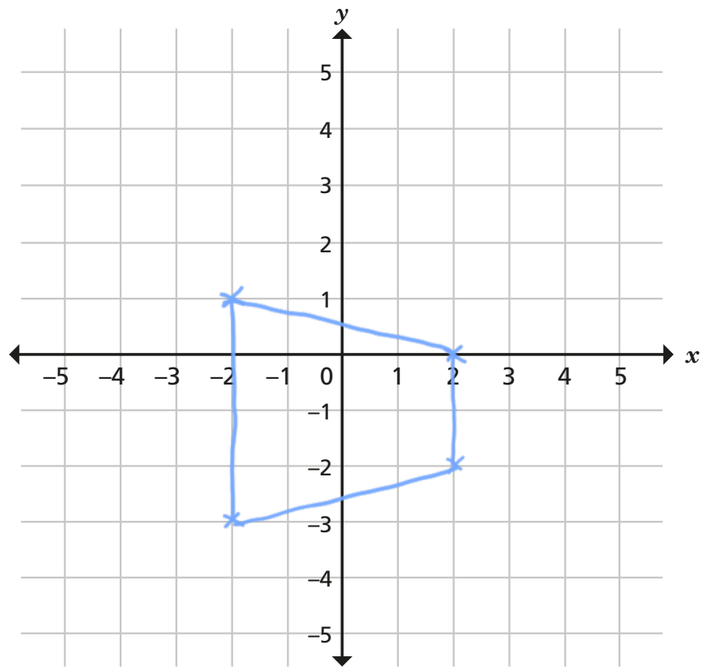


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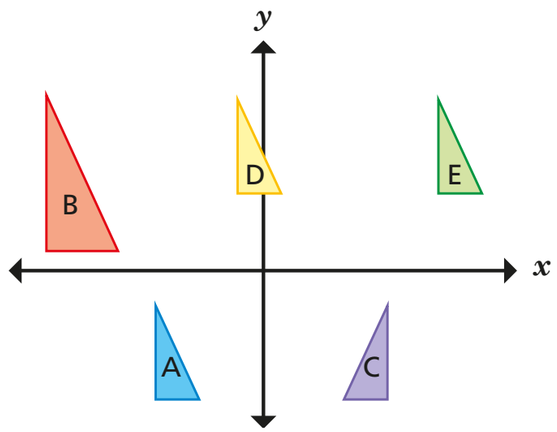
4 These coordinates form a quadrilateral: (–5, 5), (–5, 1), (–1, 4), (–1, 2)

It is translated 3 right and 4 down.

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



5

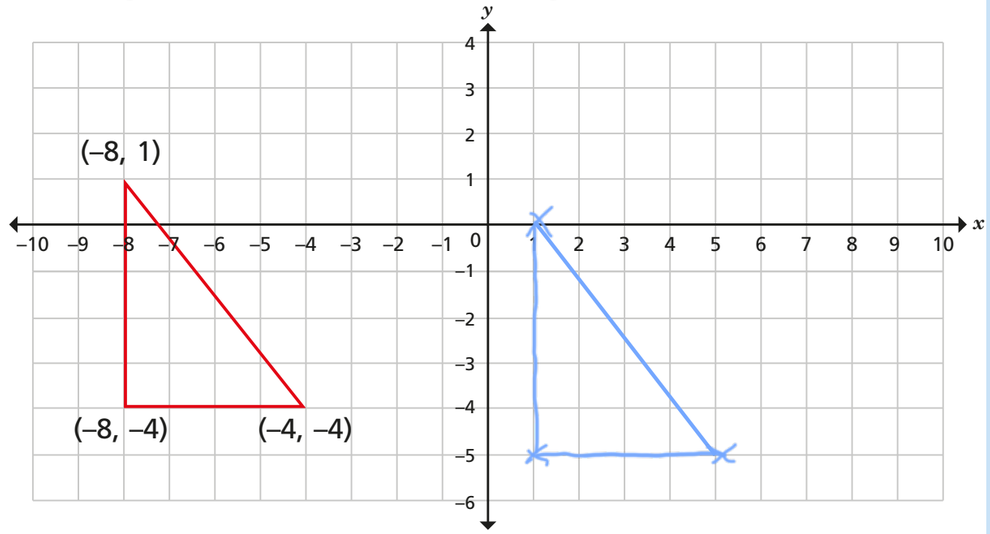


Which triangles are translations of each other?

A, D and E

Explain why the others are not translations.

6 A triangle is drawn on the coordinate grid.

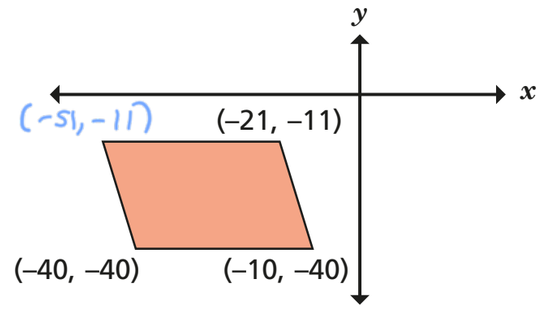


a) Translate the triangle 9 right and 1 down.

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)	✓		

7



This parallelogram has been translated 50 left and 25 down.

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

(–1, 14) (29, 14) (10, –15) (40, –15)

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