TRANSFORMATIONS

Name:

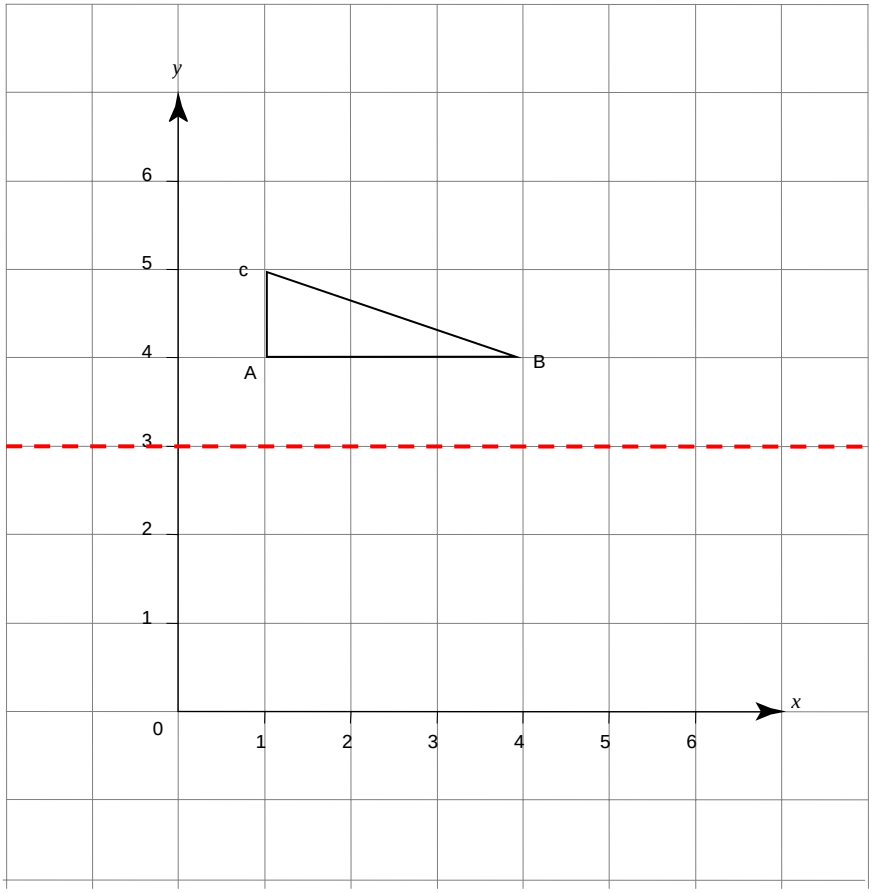
Assessment Criteria: Reflect simple shapes in a mirror line, translate shapes horizontally or vertically and begin to rotate a simple shape or object about its centre or a vertex

1. On the diagram below, translate the triangle ABC 3 spaces right. Write the coordinates of the vertices of the new shape here.

A_1 _____, B_1 _____, C_1 _____

2. On the same diagram rotate triangle ABC by 180° using the point B as a centre of rotation. Write the coordinates of the vertices of the new shape here.

A_2 _____, B_2 _____, C_2 _____



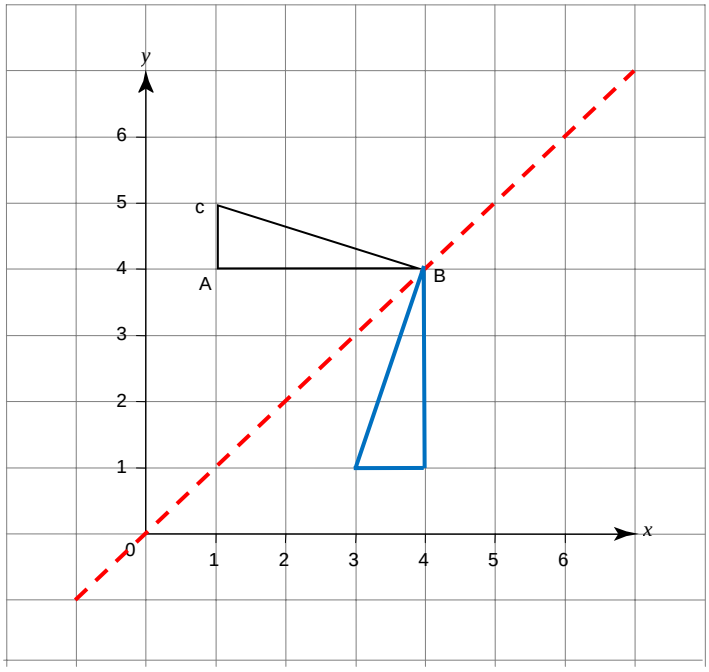
3. What quadrilateral have you made if you combine the translation and the rotation?

_____

4. On same diagram, reflect the shape in the line y = 3. Write the coordinates of the new shape here.

A_3 _____, B_3 _____, C_3 _____

5. Jesse has been asked to reflect triangle ABC in the line y = x. His answer is shown in blue on the grid below. Comment on Jesse's solution.



Overall, I think my success level is:

Low ○ ○ ○ ○ High

Q	TRANSFORMATIONS	☺	☹
	I can reflect simple shapes in a horizontal or vertical mirror line		
	I can reflect simple shapes that touch a diagonal mirror line		
	I can translate shapes horizontally or vertically		
	I can rotate a simple shape or object about its centre		
	I can rotate a simple shape or object about a vertex		
	I can present information and results in a clear and organised way		

I need to practise …