

## Topic Test 2 (20 minutes)

Transformations (non-calculator) - Higher

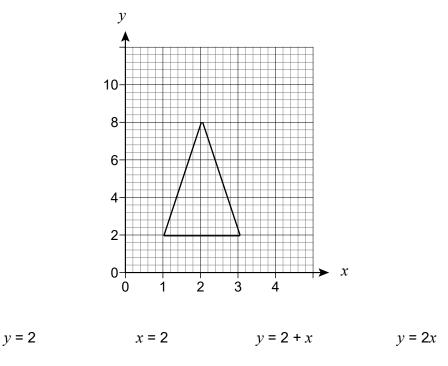
1	The sides of a square of side 5cm are enlarged by a scale factor 4								
	What is the scale factor of enlargement of its area?								
	Circle the correct answer.								
						[1 mark]			
		4	8	16	25				

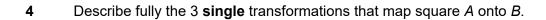
2 Which of these transformations produces a new shape that is **not** congruent to the original? Circle the correct answer.

				[1 mark]
Reflection	Enlargement	Rotation	Translation	

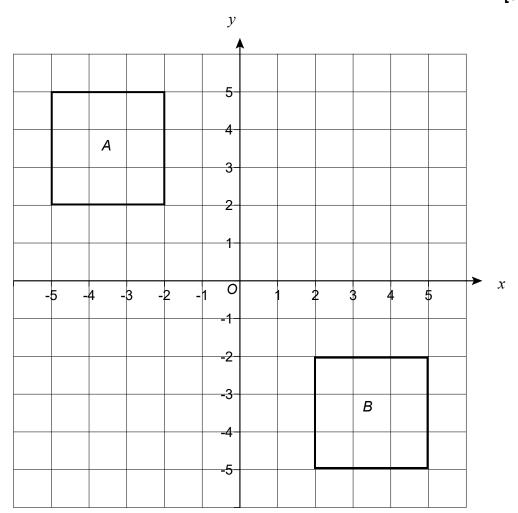
What is the equation of the line of symmetry of this shape?Circle the correct answer.

[1 mark]





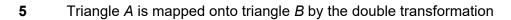




## Transformation 1

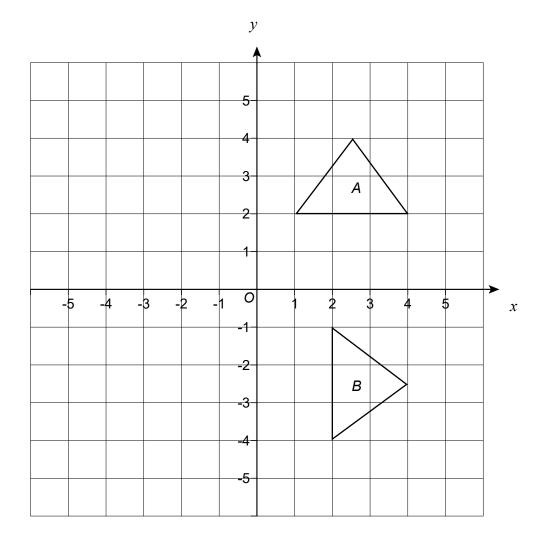
**Transformation 2** 

## **Transformation 3**



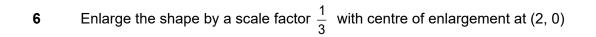
reflection in the *y*-axis and

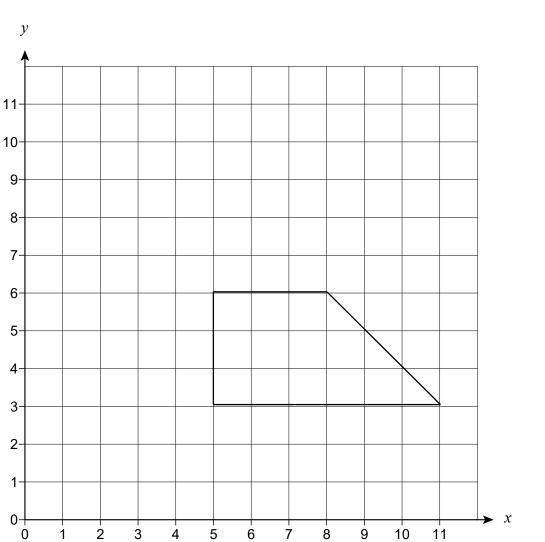
reflection in the line y = x



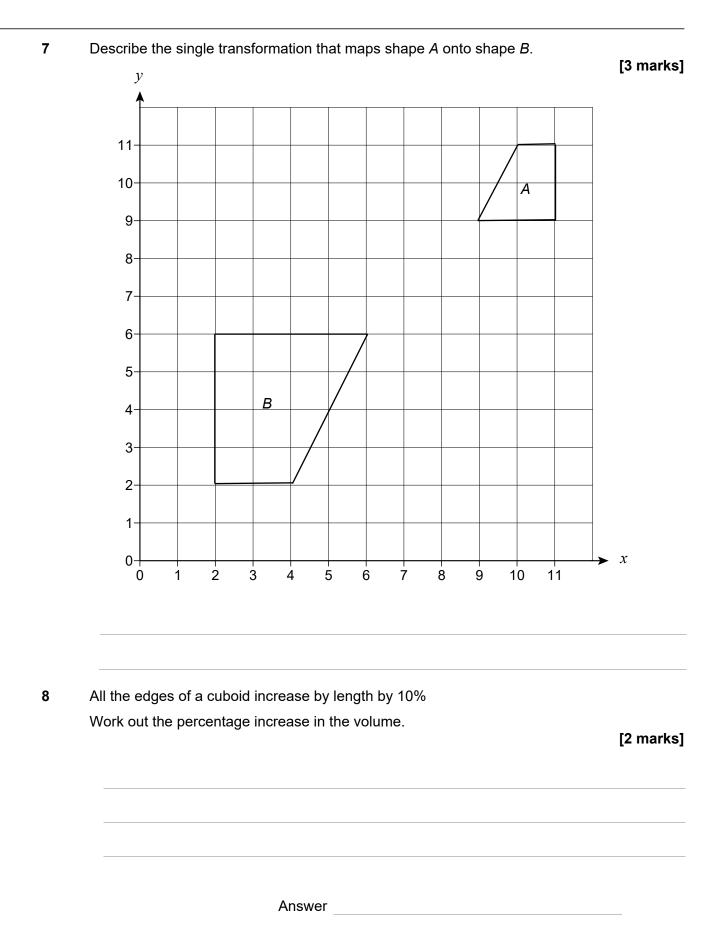
Describe the **single** transformation that maps triangle *A* onto triangle *B*.

[3 marks]





[3 marks]



5 of 5