Practice worksheet | Congruence and similarity

Testing congruence/similarity with transformations

Name: _____ Date: _____

6 questions | 13 marks

1. Translate point $(-2, 3)$ 5 units right and 2 units down. [2 marks]

2. Reflect point $(-3, 2)$ in the x axis. [2 marks]

3. Enlarge point $(2, -1)$ by factor 4 about the origin. [2 marks]

4. A triangle is rotated 90° without changing its size. Is the image congruent, similar, both or neither? [2 marks]

5. An image is stretched from width 4 cm and height 3 cm to width 8 cm and height 3 cm. Is it similar? Explain. [2 marks]

6. Triangle ABC has $A(0,0)$, $B(2,0)$, $C(0,1)$. Plot its image after translation 1 unit right and 2 units up. [3 marks]

