Practice worksheet | Transformations

Reflections in coordinate axes

Name: _____ Date: _____

6 questions | 13 marks

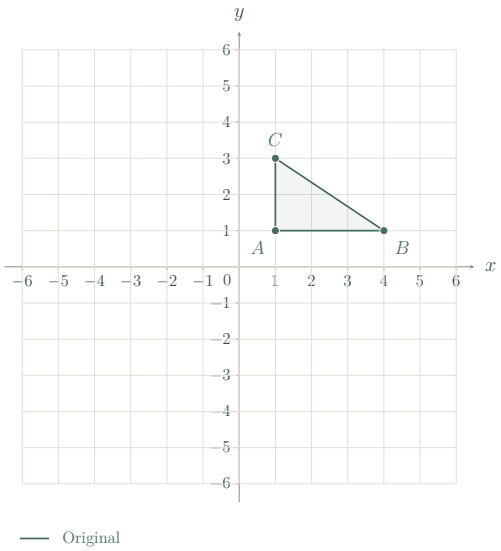
1. Reflect $(5, -3)$ in the x-axis. [2 marks]

2. Reflect $(-2, 4)$ in the y-axis. [2 marks]

3. Reflect $(0, -5)$ in the y-axis. Explain why the result is unchanged. [2 marks]

4. A point is reflected in the x-axis to $(2, -4)$. Find the original point. [2 marks]

5. Reflect $A(1, 1)$, $B(4, 1)$ and $C(1, 3)$ in the y-axis. Give the image coordinates. Draw and label the image on the supplied grid. [3 marks]



6. Jai says reflecting $(2, 3)$ in the y-axis gives $(2, -3)$. Explain the mistake and give the correct image. [2 marks]