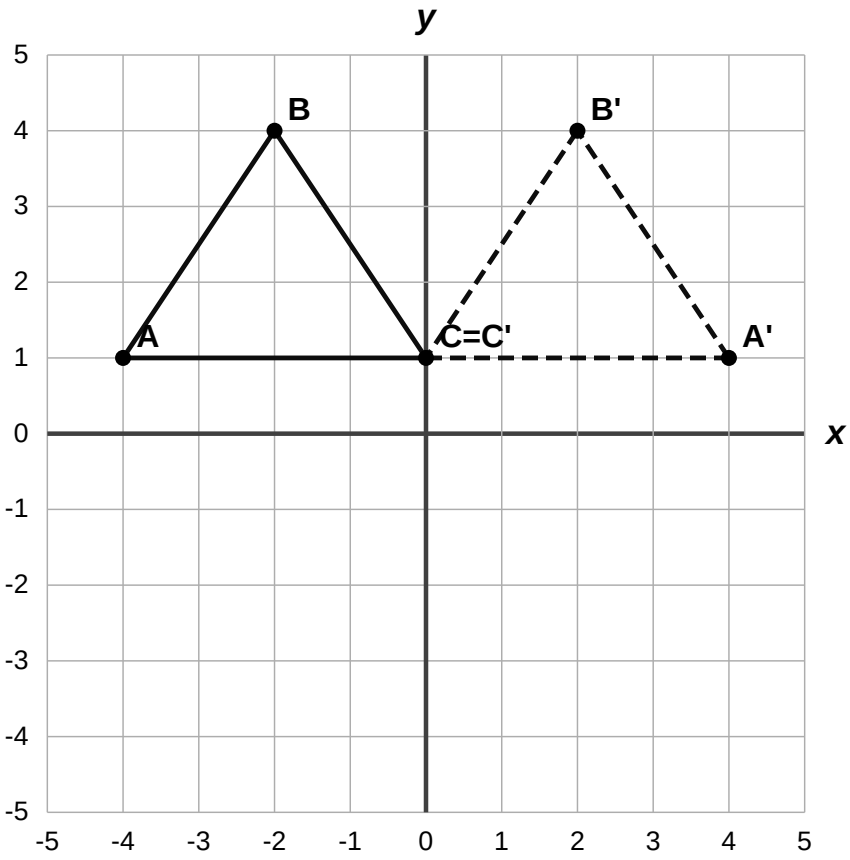
Reflect a triangle

TEACHER ANSWER KEY

Triangle ABC is the original figure. Plot its image and use a prime to label each new vertex.



1. Reflect A and B across the y-axis. Write both image coordinates.

A' (4, 1); B' (2, 4).

2. Reflect C across the y-axis. Explain what happens to C.

C' (0, 1). C lies on the mirror line, so its image stays at C.

3. Plot all three image vertices and connect them in order.

Image triangle shown on the graph with dashed sides.

4. Which coordinate changes sign? Explain using distance to the mirror.

The x-coordinate changes sign. Each image stays the same distance from the y-axis.