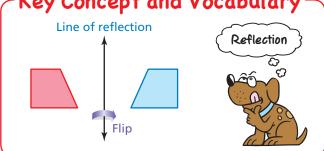
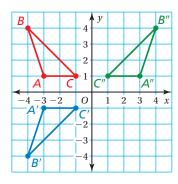
Key Concept and Vocabulary

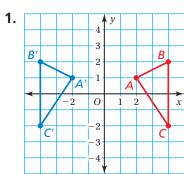


Visual Model

A reflection creates a mirror image of the original figure.



Skill Example

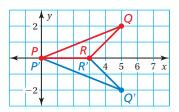


The triangle is reflected in the ν-axis.

The coordinates of the image are A'(-2, 1),B'(-4, 2), and C'(-4, -2).

Application Example

2. You design a logo using a triangle with vertices P(0, 0), Q(5, 2), and R(3, 0). You reflect the figure in the *x*-axis to create the design. Draw the design in the coordinate plane.

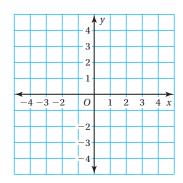


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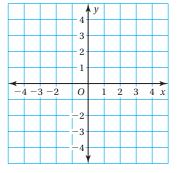
Check your answers at BigIdeasMath.com.

Draw the figure and its reflection in the given axis.

3. A(1, 4), B(4, 3), C(2, -3); y-axis



4. P(-3, 3), Q(4, 3), R(3, 1), S(0, 1); x-axis



5. LOGO You design a logo using the figure shown. The entire logo is a reflection in both the *x*-axis and in the y-axis. Draw the rest of the logo in the coordinate plane.

