

Lesson 9.5



Find the Image of a Glide Reflection

The vertices of $\triangle PQR$ are P(2,6), Q(4,-2), and R(-3,-3). Find the image of $\triangle PQR$ after the glide reflection. **1. Translation:** $(x,y) \rightarrow (x+4,y)$ **2. Reflection:** in the x-axis **1.** $P'(G,G) \supseteq P''(G,-6)$ Q'(8,-2) Q''(8,3)R'(1,-3) R''(1,3)

The vertices of \triangle ABC are A(2,4), B(7,6), and C(5,2). Graph the image of \triangle ABC after a composition of the transformations in the order they are listed.

Translation: $(x,y) \rightarrow (x-2,y)$ Reflection: 90° about the origin





Describe the composition of transformations.





Rotation 90° Reflection X-ands









Worksheet 9.5B