

Reflections Practice Worksheet

Name _____ Class Period _____

Find the coordinates of the vertices of each figure after the given transformation.

1. Reflection across the x-axis.

$$R(-2, 2) \rightarrow R' \underline{\hspace{2cm}}$$

$$J(-1, 4) \rightarrow J' \underline{\hspace{2cm}}$$

$$G(3, 4) \rightarrow G' \underline{\hspace{2cm}}$$

2. Reflect across the y-axis.

$$H(1, -3) \rightarrow H' \underline{\hspace{2cm}}$$

$$Z(1, 2) \rightarrow Z' \underline{\hspace{2cm}}$$

$$W(4, 1) \rightarrow W' \underline{\hspace{2cm}}$$

3. Reflect across the line $y = x$.

$$E(-4, -2) \rightarrow E' \underline{\hspace{2cm}}$$

$$N(-1, 0) \rightarrow N' \underline{\hspace{2cm}}$$

$$A(1, -3) \rightarrow A' \underline{\hspace{2cm}}$$

4. Reflect across the line $y = -x$.

$$N(-4, 2) \rightarrow N' \underline{\hspace{2cm}}$$

$$L(-1, 3) \rightarrow L' \underline{\hspace{2cm}}$$

$$R(-1, 2) \rightarrow R' \underline{\hspace{2cm}}$$

5. Reflect across the y-axis.

$$R(1, -5) \rightarrow R' \underline{\hspace{2cm}}$$

$$Y(0, -3) \rightarrow Y' \underline{\hspace{2cm}}$$

$$U(2, 0) \rightarrow U' \underline{\hspace{2cm}}$$

$$V(4, -2) \rightarrow V' \underline{\hspace{2cm}}$$

6. Reflect across the line $y = -x$.

$$Z(-5, -2) \rightarrow Z' \underline{\hspace{2cm}}$$

$$P(-5, 2) \rightarrow P' \underline{\hspace{2cm}}$$

$$N(-3, 3) \rightarrow N' \underline{\hspace{2cm}}$$

$$A(-2, 0) \rightarrow A' \underline{\hspace{2cm}}$$

7. Reflect across the x-axis.

$$C(0, 0) \rightarrow \underline{\hspace{2cm}}$$

$$A(1, 4) \rightarrow \underline{\hspace{2cm}}$$

$$T(2, 4) \rightarrow \underline{\hspace{2cm}}$$

$$H(4, 0) \rightarrow \underline{\hspace{2cm}}$$

8. Reflect across the line $y = x$.

$$J(-3, 1) \rightarrow \underline{\hspace{2cm}}$$

$$L(-1, 3) \rightarrow \underline{\hspace{2cm}}$$

$$B(0, 1) \rightarrow \underline{\hspace{2cm}}$$

$$M(-2, -4) \rightarrow \underline{\hspace{2cm}}$$