

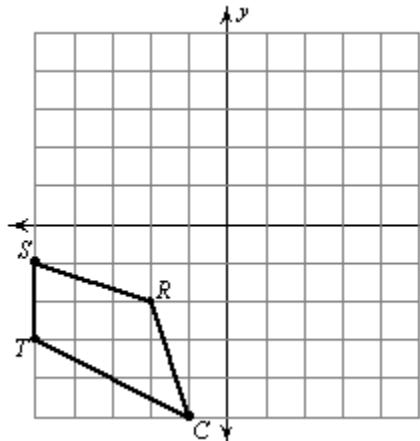
GEOMETRY**9.1 Reflections****HOMEWORK**

Name _____



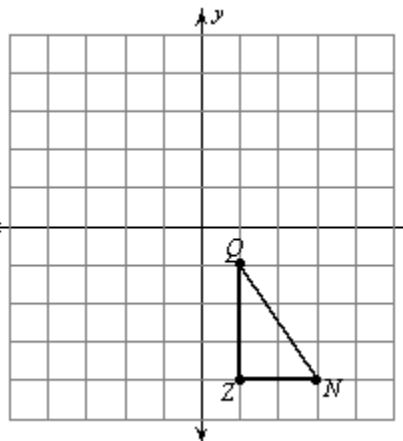
Perform the following reflections. Be sure to give the coordinates of the image.

1. Reflection across the
- y
- axis



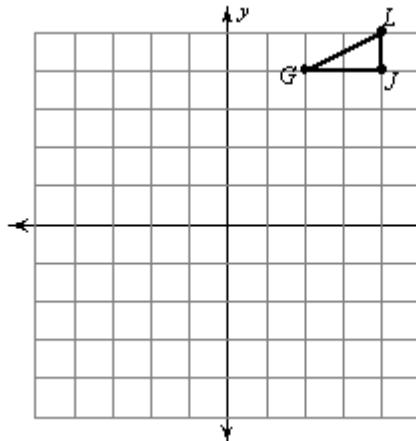
$$\begin{aligned}C'(&_, _) \\R'(&_, _) \\S'(&_, _) \\T'(&_, _)\end{aligned}$$

2. Reflection across the
- x
- axis



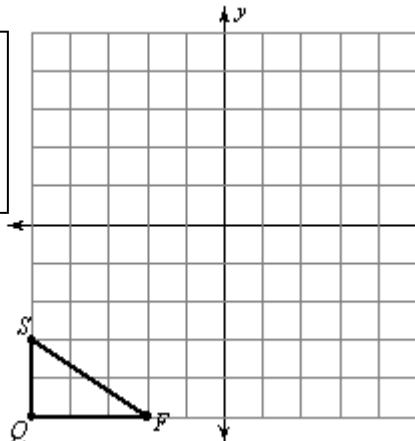
$$\begin{aligned}N'(&_, _) \\Q'(&_, _) \\Z'(&_, _)\end{aligned}$$

3. Reflection across
- $y = 3$



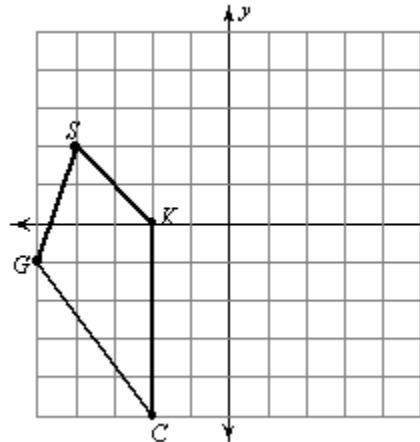
$$\begin{aligned}G'(&_, _) \\J'(&_, _) \\L'(&_, _)\end{aligned}$$

4. Reflection across
- $x = -1$



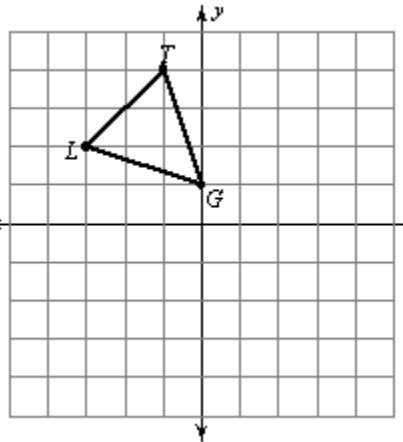
$$\begin{aligned}F'(&_, _) \\Q'(&_, _) \\S'(&_, _)\end{aligned}$$

5. Reflection across the
- y
- axis



$$\begin{aligned}C'(&_, _) \\G'(&_, _) \\K'(&_, _) \\S'(&_, _)\end{aligned}$$

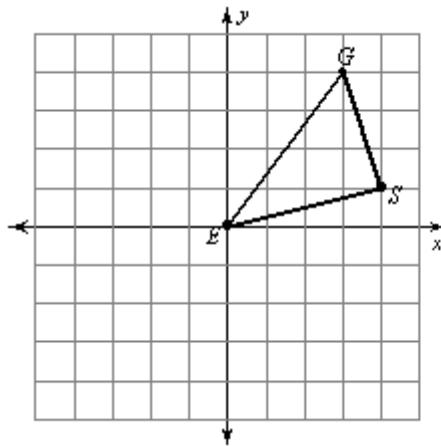
6. Reflection across the
- x
- axis



$$\begin{aligned}G'(&_, _) \\T'(&_, _) \\L'(&_, _)\end{aligned}$$

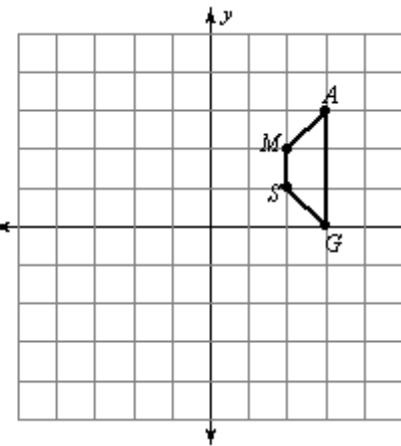
Lesson 1 Geometry Grade 10

7. Reflection across $y = 1$



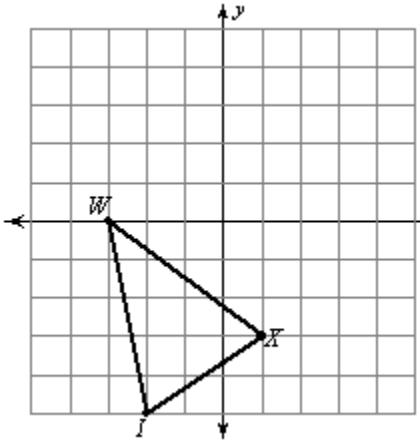
$$\begin{aligned}G'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}}) \\E'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}}) \\S'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}})\end{aligned}$$

8. Reflection across $x = 1$



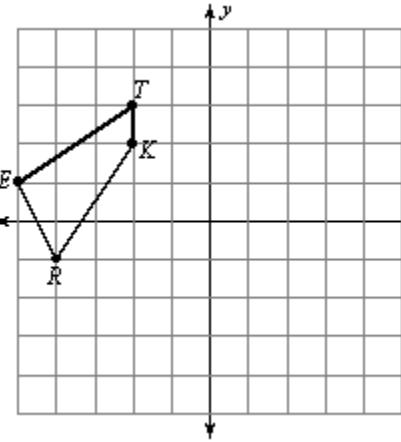
$$\begin{aligned}A'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}}) \\G'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}}) \\M'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}}) \\S'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}})\end{aligned}$$

9. Reflection across the y -axis



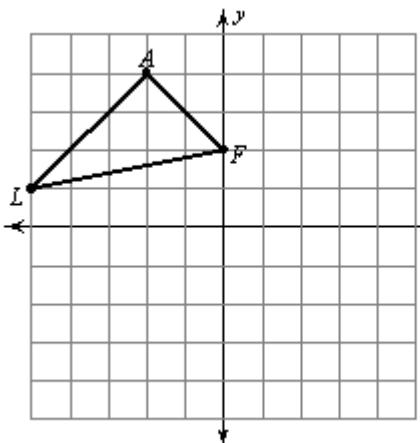
$$\begin{aligned}I'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}}) \\W'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}}) \\X'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}})\end{aligned}$$

10. Reflection across the x -axis



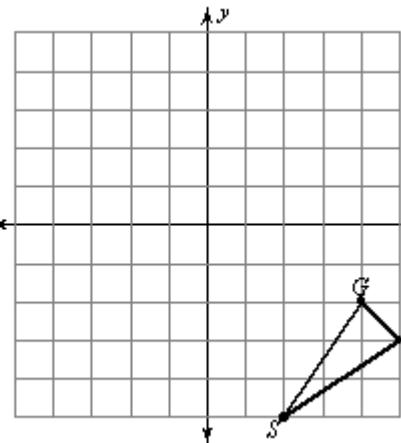
$$\begin{aligned}E'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}}) \\K'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}}) \\R'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}}) \\T'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}})\end{aligned}$$

11. Reflection across $y = x$



$$\begin{aligned}A'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}}) \\F'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}}) \\L'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}})\end{aligned}$$

12. Reflection across $y = x$



$$\begin{aligned}G'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}}) \\J'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}}) \\S'(&\underline{\hspace{2cm}}, \underline{\hspace{2cm}})\end{aligned}$$