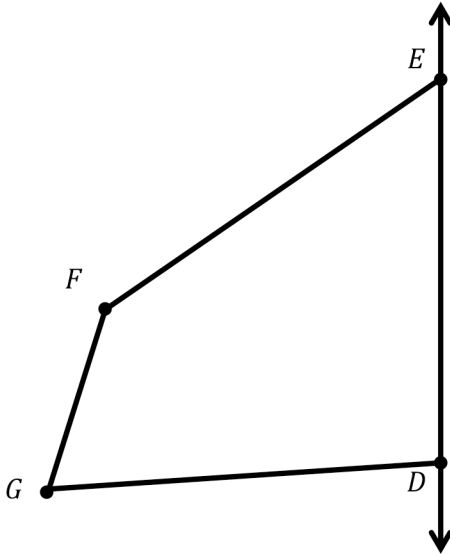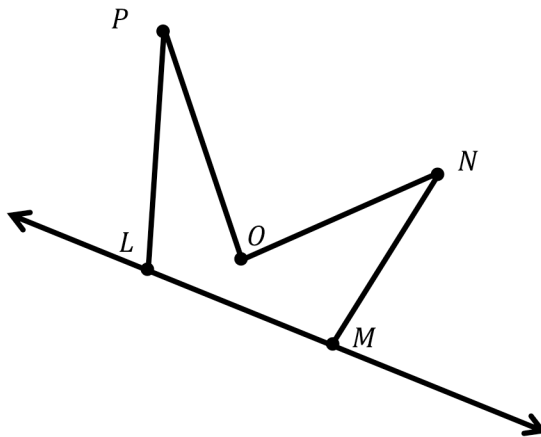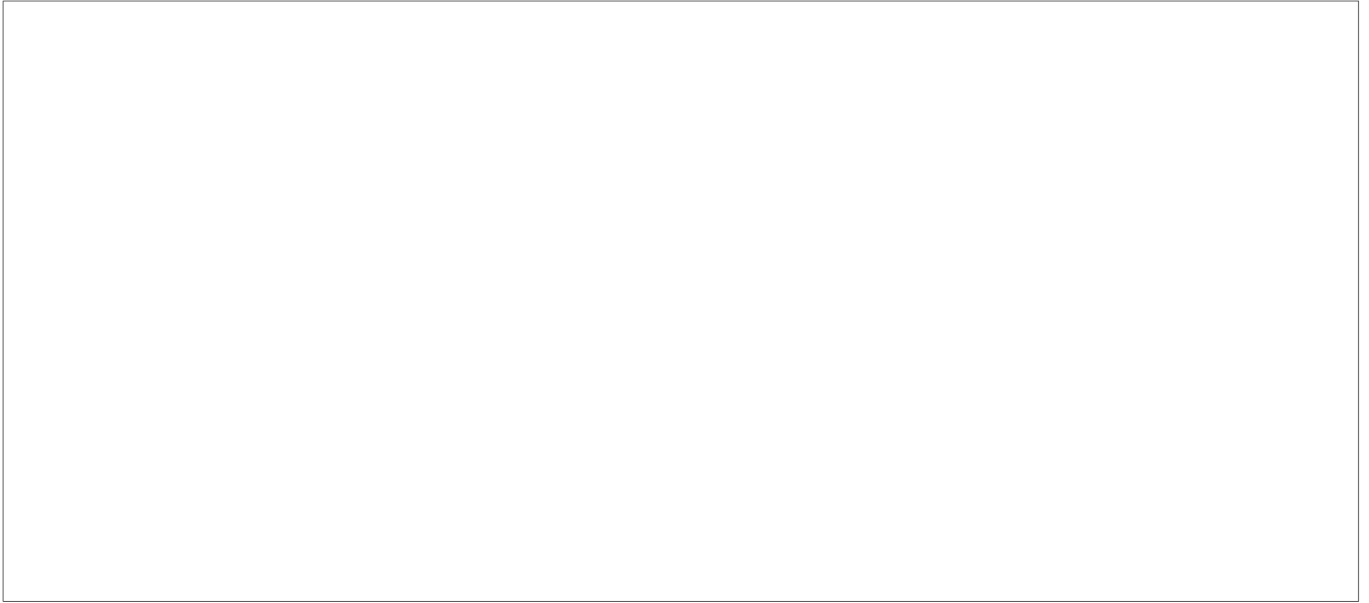Name _____   Date _____

1. Draw to create a figure that is symmetric about $\overleftrightarrow{DE}$.

2. Draw to create a figure that is symmetric about $\overleftrightarrow{LM}$.

3. Complete the following construction in the space below.

   a. Plot 3 non-collinear points, G, H, and I.

   b. Draw $\overline{GH}$, $\overline{HI}$, and $\overleftrightarrow{IG}$.

   c. Plot point J, and draw the remaining sides, such that quadrilateral $GHIJ$ is symmetric about $\overleftrightarrow{IG}$.

4. In the space below, use your tools to draw a symmetric figure around a line.

Answer Key

1. Symmetric figure drawn

2. Symmetric figure drawn

3. a. Answers will vary.

    b. Accurate $\overline{DE}$, $\overline{EF}$, and $\overleftrightarrow{DF}$ drawn

    c. Answers will vary.

4. Explanations will vary.