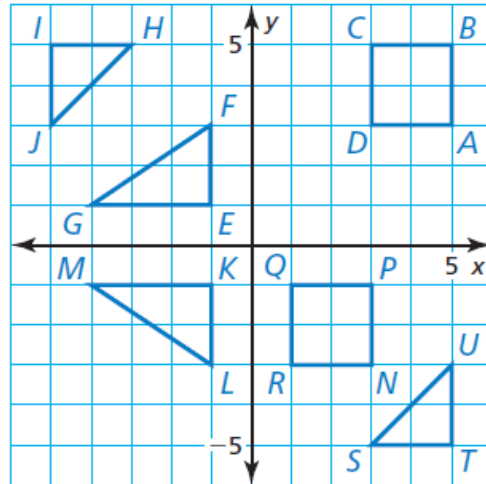




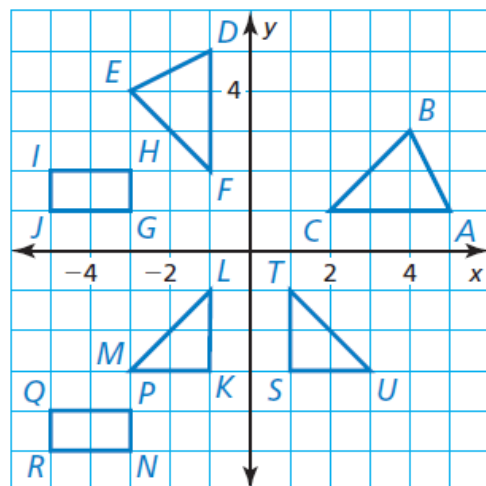
4.4 Congruence and Transformations

Essential Question

What transformations make two shapes congruent?

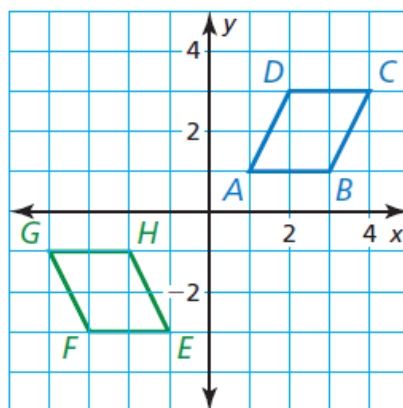


1. Identify any congruent figures in the coordinate plane. Explain.



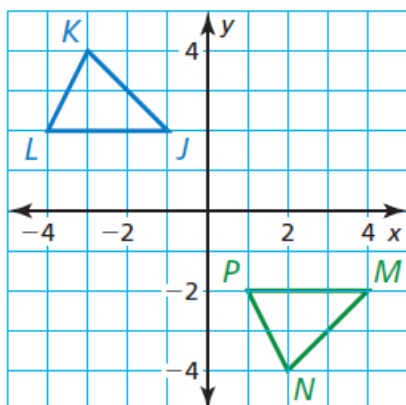
4-4-Notes.notebook

Describe a congruence transformation that maps $\square ABCD$ to $\square EFGH$.



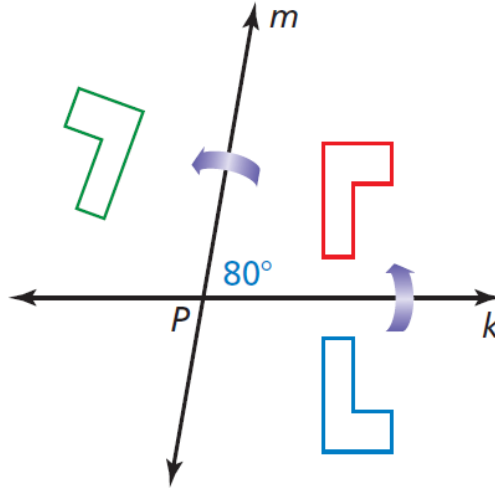
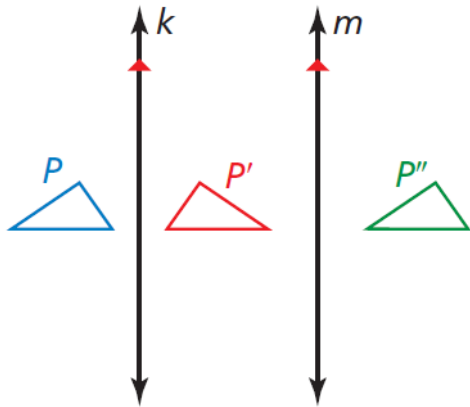
2. In Example 2, describe another congruence transformation that maps $\square ABCD$ to $\square EFGH$.

3. Describe a congruence transformation that maps $\triangle JKL$ to $\triangle MNP$.



Use the figure. The distance between line k and line m is 1.6 centimeters.

4. The preimage is reflected in line k , then in line m . Describe a single transformation that maps the blue figure to the green figure.



Identify any congruent figures in the coordinate plane. Explain.

