Goal: I will be able to _____

Here's How…Notes & Examples

Similar Figures

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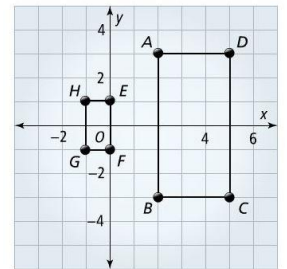**Example 1**

△ABC ~ △NOP. Describe a series of rigid motion followed by a dilation that shows the two triangles are similar.
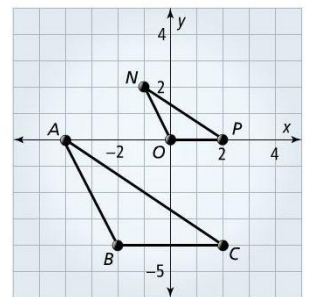
Example 2

ABCD and EFGH are rectangles. Given ABCD~EFGH, describe a sequence of a rigid motion followed by a dilation with center (0,0) that maps ABCD to EFGH.

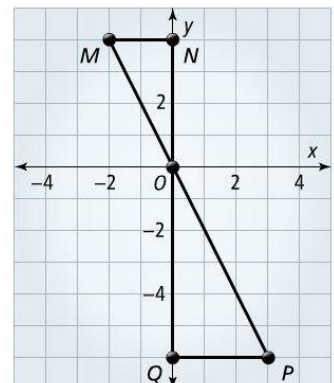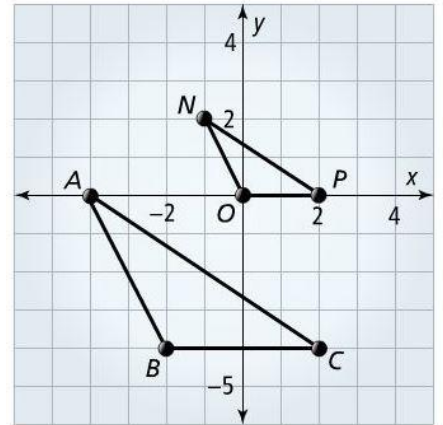**Effects of Dilations On:**

Angles

Length of Sides

Example 3

Is △MNO~△PQO? Why?

Given △ABC~△DEF, describe a sequence of rigid motion followed by a dilation with center (0,0) that maps △ABC to △DEF?

JKLM and PQRS are squares. Given JKLM~PQRS, describe a sequence of rigid motion followed by a dilation with center (0,0) that maps JKLM to PQRS.

Which two triangles are similar?