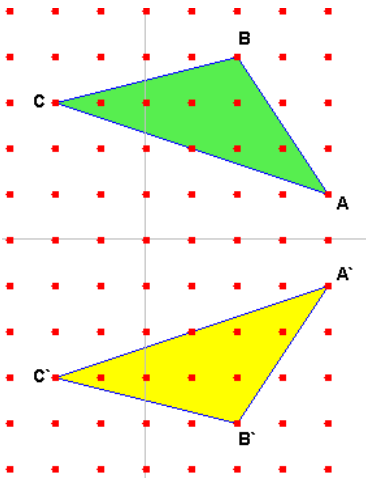
Transformations Practice

Describe the transformations that took place. Write a general rule for (x, y) □ (x', y') (how the preimage points became the image points). Label the preimage and the image.

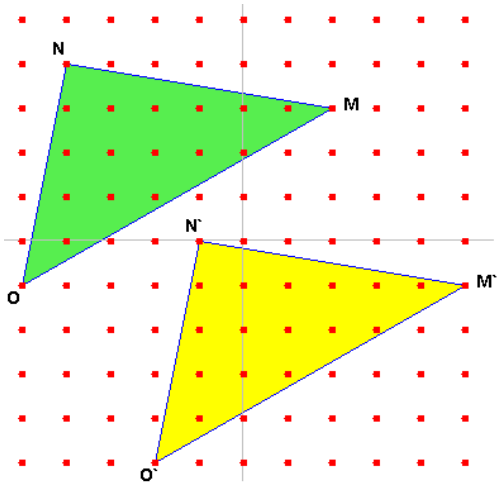
1.



Description:

Rule:

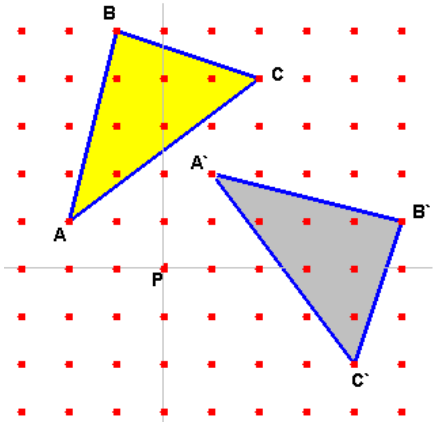
2.



Description:

Rule:

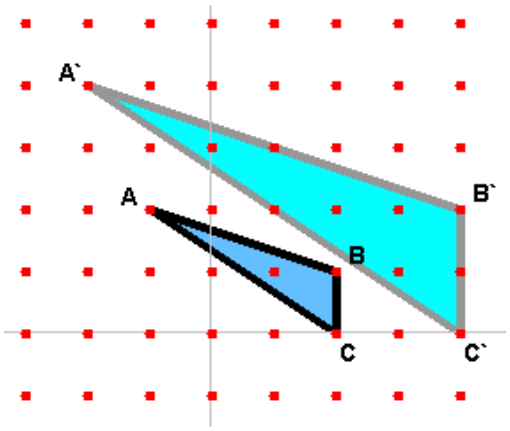
3.



Description:

Rule:

4.



Description:

Rule:

5. Which of the following will always produce a congruent figure? Check all that apply (and label the type of transformation it is).

$(x', y') = (x - 3, y + 2)$

$(x', y') = (3x, 3y)$

$(x', y') = (-x, y)$

$(x', y') = (y, -x)$

$(x', y') = (1/2x, 1/2y)$

6.

Graph the image of $\triangle STU$ after a dilation with a scale factor of 4, centered at the origin.