

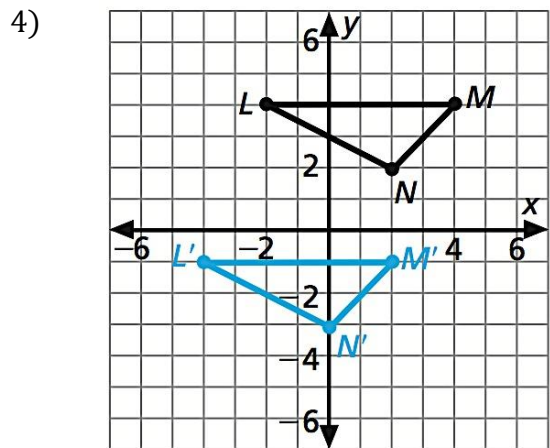
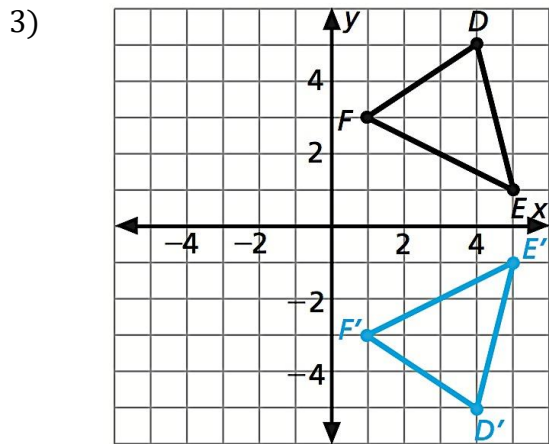
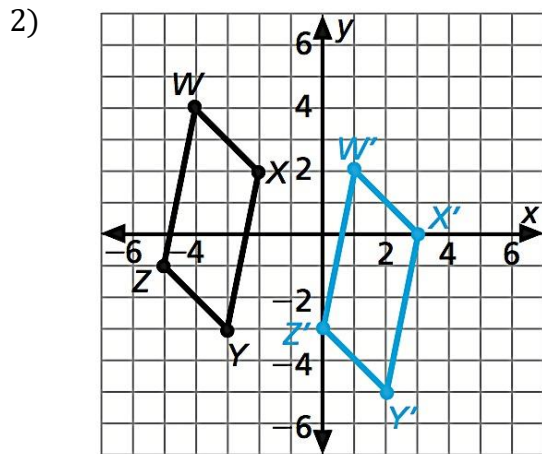
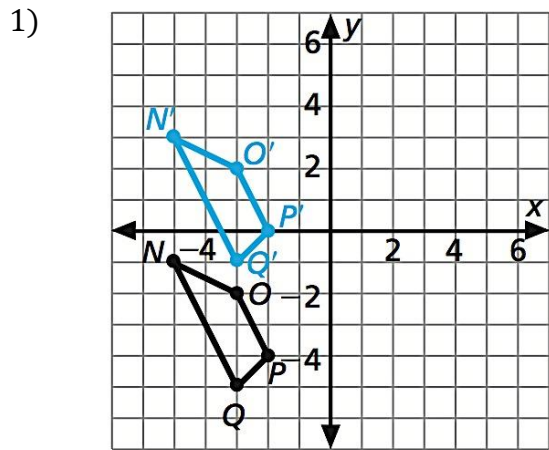
5A.12 Learning Opportunity

Translations and Reflections

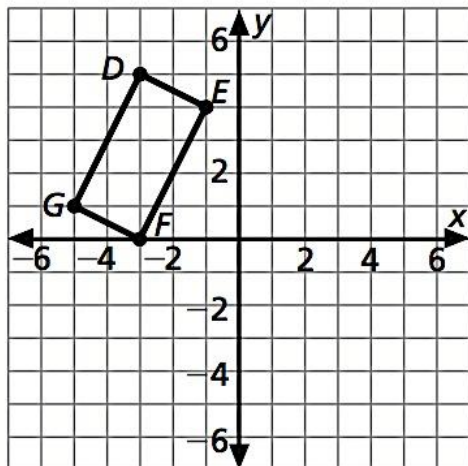


Name: _____

For problems 1 through 4, write a rule that describes the transformation shown.



- 5) What would be the coordinates of rectangle $D'E'F'G'$, the image of rectangle $DEFG$, after a translation of 557 units left and 159 units down?



6) Triangle JKL (not shown) has vertices J (-4, 2), K (-2, 1), and L (-5, -3). Without graphing the triangle, determine the coordinates of its reflection across the x-axis.

7) A ride designer is using a computer to map the movement of the car for a new amusement park ride. The triangle in the third quadrant represents the car at the beginning of the ride. The triangle in the first quadrant represents the car after two transformations.

Describe these transformations.

