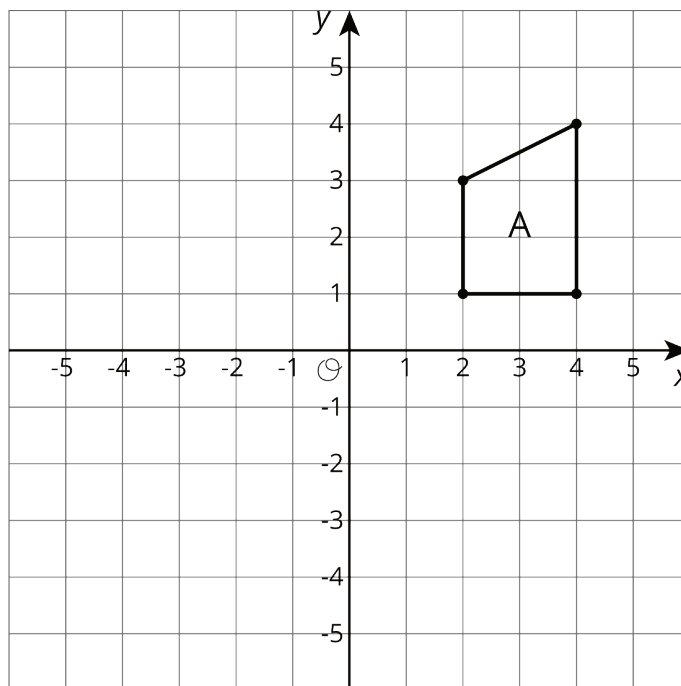


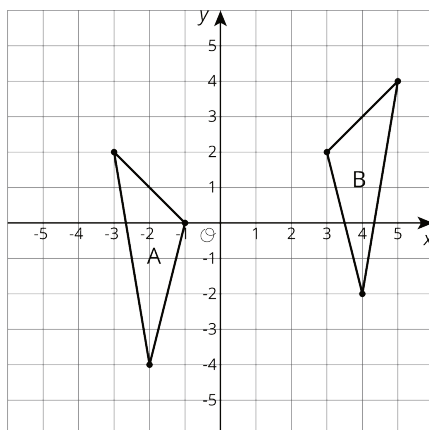
Lesson 5 Practice Problems

1. Here is Trapezoid A in the coordinate plane:

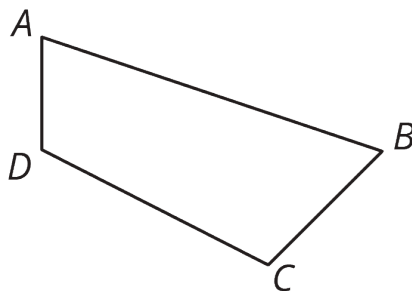


- Draw Polygon B, the image of A, using the y -axis as the line of reflection.
 - Draw Polygon C, the image of B, using the x -axis as the line of reflection.
 - Draw Polygon D, the image of C, using the x -axis as the line of reflection.
2. The point $(-4, 1)$ is rotated 180 degrees counterclockwise using center $(-3, 0)$. What are the coordinates of the image?
- $(-5, -2)$
 - $(-4, -1)$
 - $(-2, -1)$
 - $(4, -1)$

3. Describe a sequence of transformations for which Triangle B is the image of Triangle A.



4. Here is quadrilateral $ABCD$.



Draw the image of quadrilateral $ABCD$ after each transformation.

- The translation that takes B to D .
- The reflection over segment BC .
- The rotation about point A by angle DAB , counterclockwise.

(From Unit 1, Lesson 2.)