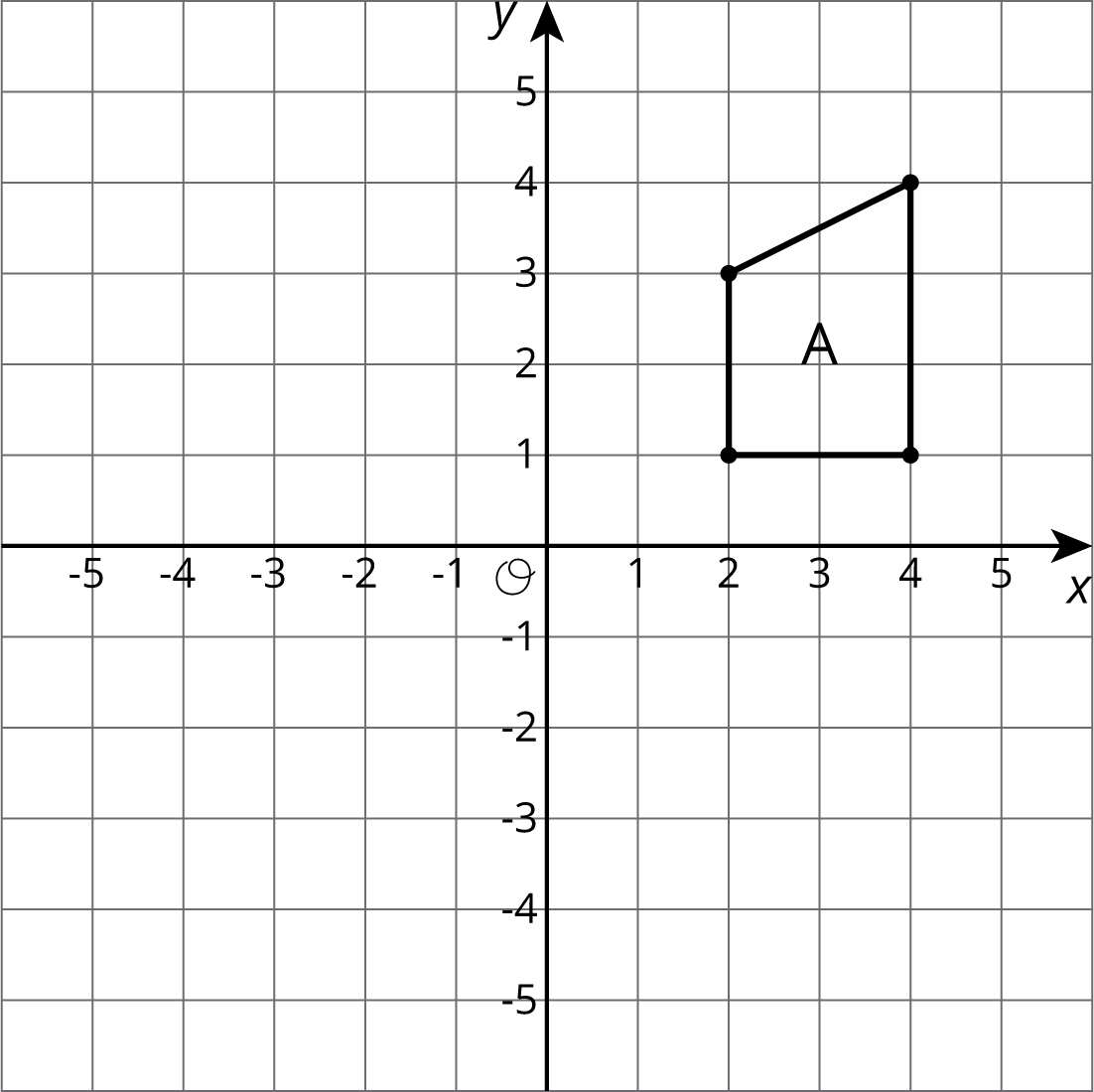
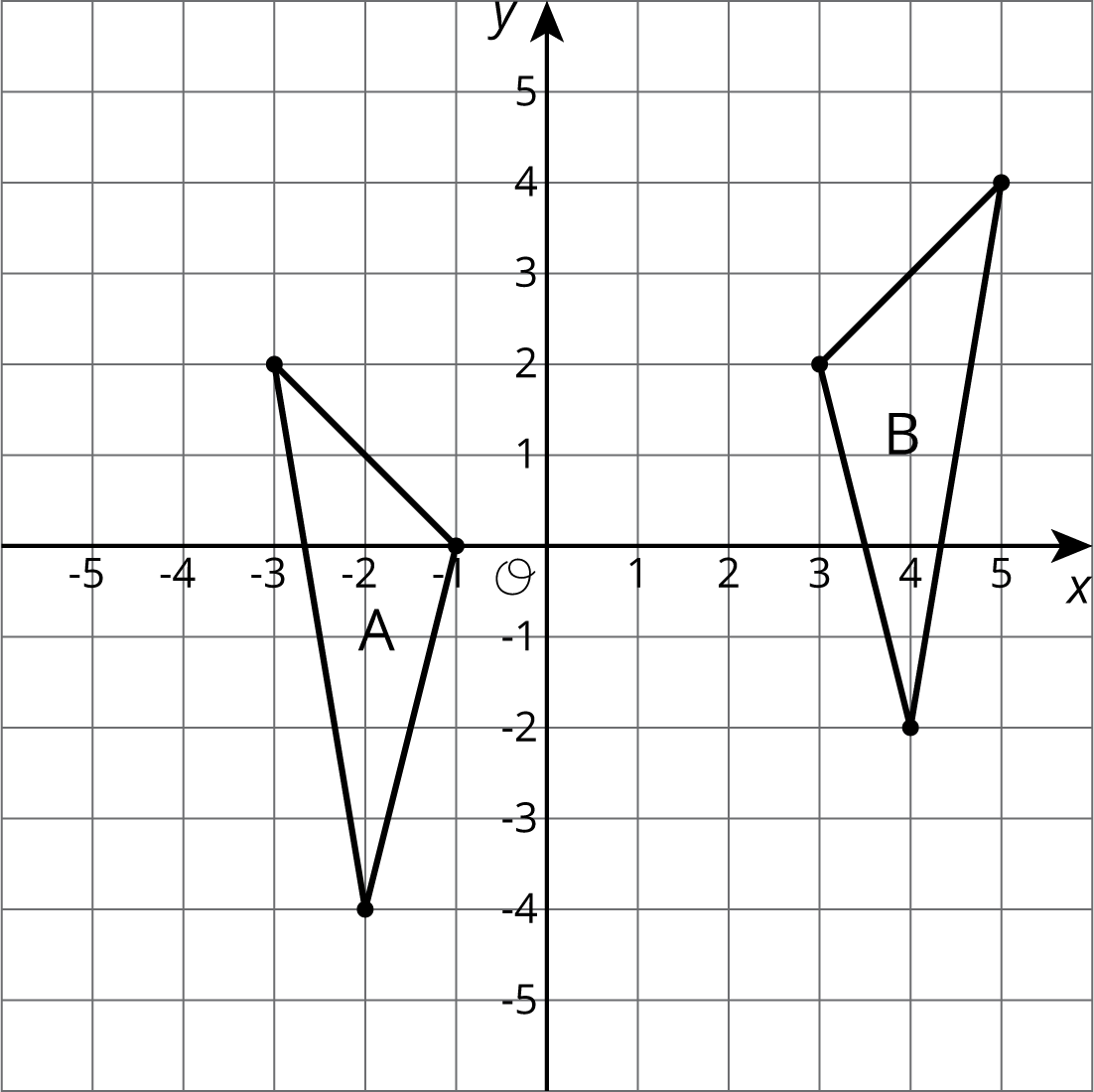
### Lesson 6 Practice Problems

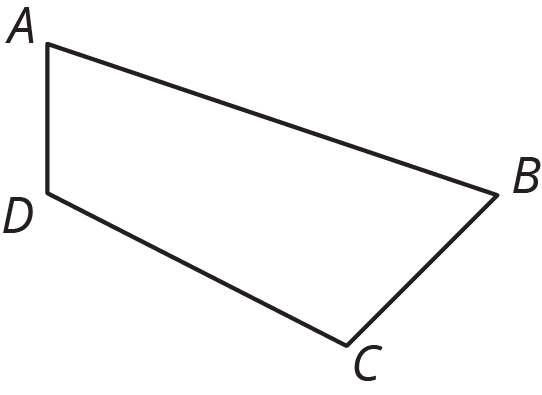
1. Here is Trapezoid A in the coordinate plane:

* 
  1. Draw Polygon B, the image of A, using the -axis as the line of reflection.
  2. Draw Polygon C, the image of B, using the -axis as the line of reflection.
  3. Draw Polygon D, the image of C, using the -axis as the line of reflection.

1. The point is rotated 180 degrees counterclockwise using center . What are the coordinates of the image?
2. Describe a sequence of transformations for which Triangle B is the image of Triangle A.

* 

1. Here is quadrilateral .

* 
* Draw the image of quadrilateral after each transformation.
  1. The translation that takes to .
  2. The reflection over segment .
  3. The rotation about point by angle , counterclockwise.
* (From Unit 1, Lesson 2.)



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