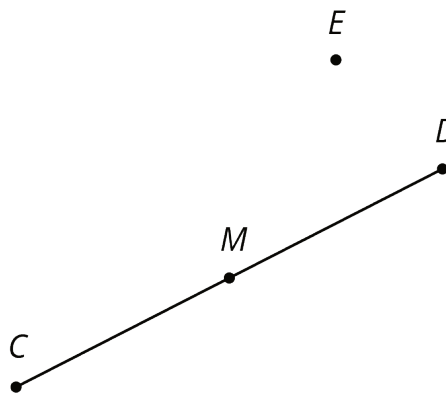


Lesson 7 Practice Problems

1. For the figure shown here,

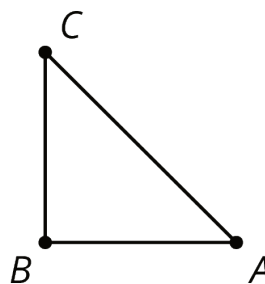
- Rotate segment CD
 180° around point D .
- Rotate segment CD
 180° around point E .
- Rotate segment CD
 180° around point M .



2. Here is an isosceles right triangle:

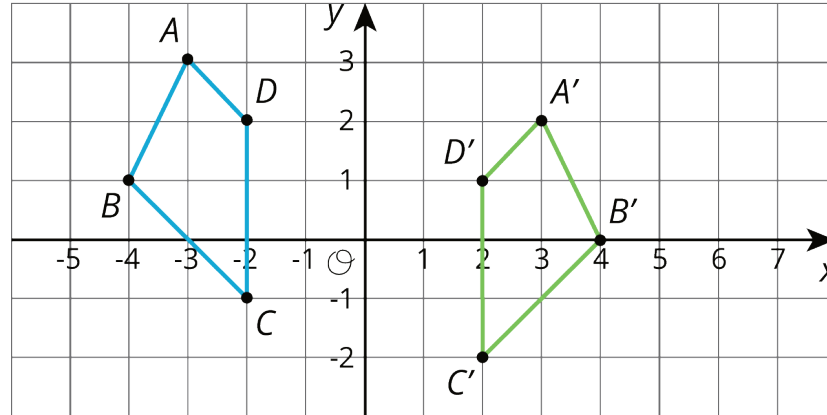
Draw these three rotations of triangle ABC together.

- Rotate triangle ABC
90 degrees clockwise
around A .
- Rotate triangle ABC
180 degrees around A .
- Rotate triangle ABC
270 degrees clockwise
around A .

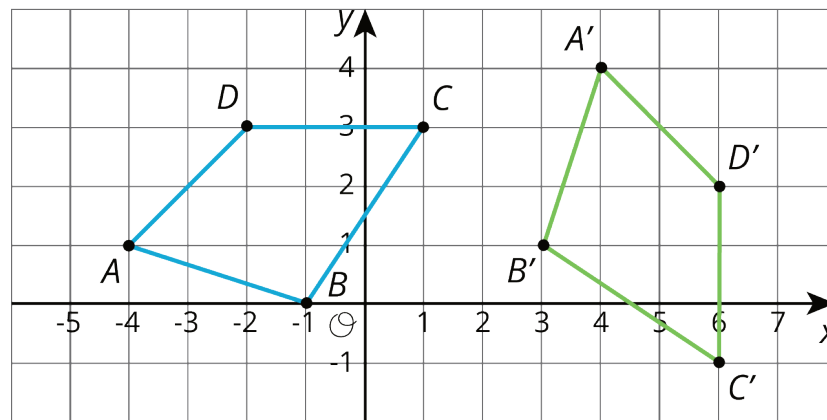


3. Each graph shows two polygons $ABCD$ and $A'B'C'D'$. In each case, describe a sequence of transformations that takes $ABCD$ to $A'B'C'D'$.

a.

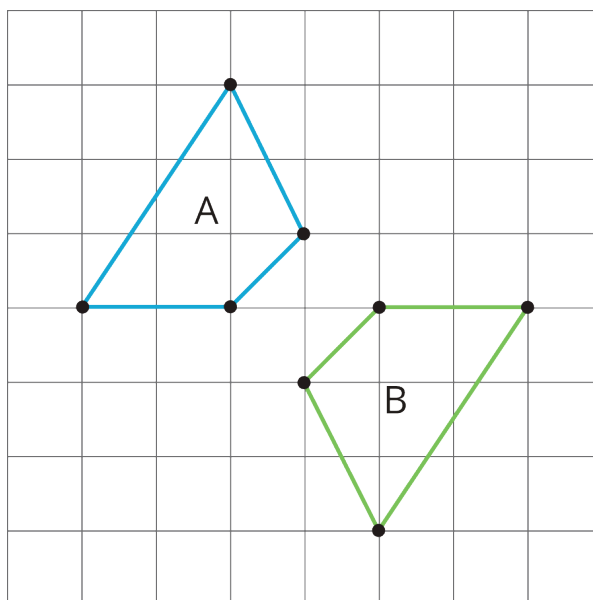


b.



(From Unit 1, Lesson 4.)

4. Lin says that she can map Polygon A to Polygon B using *only* reflections. Do you agree with Lin? Explain your reasoning.



(From Unit 1, Lesson 3.)