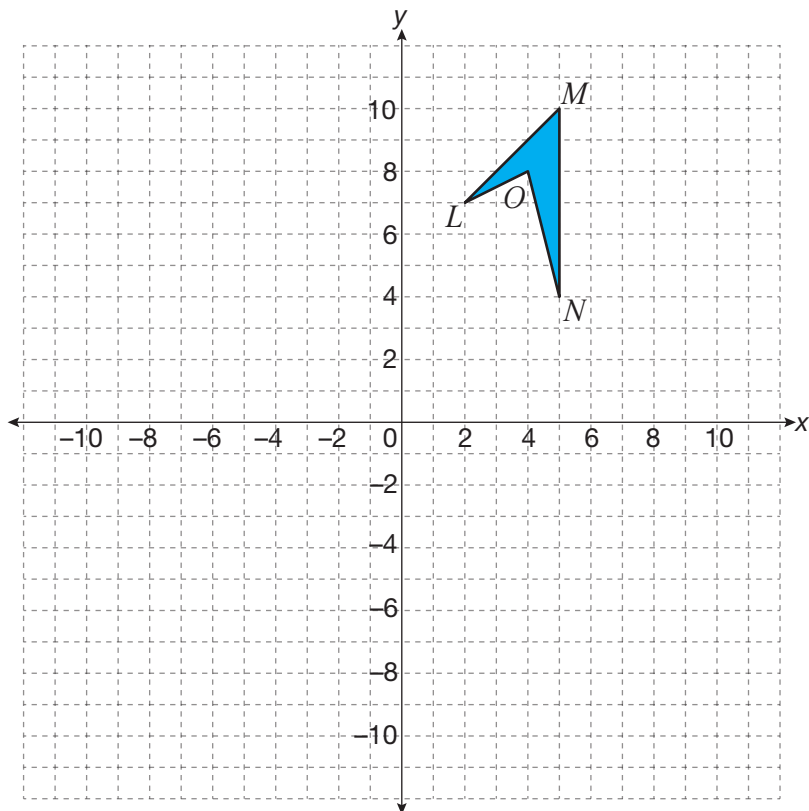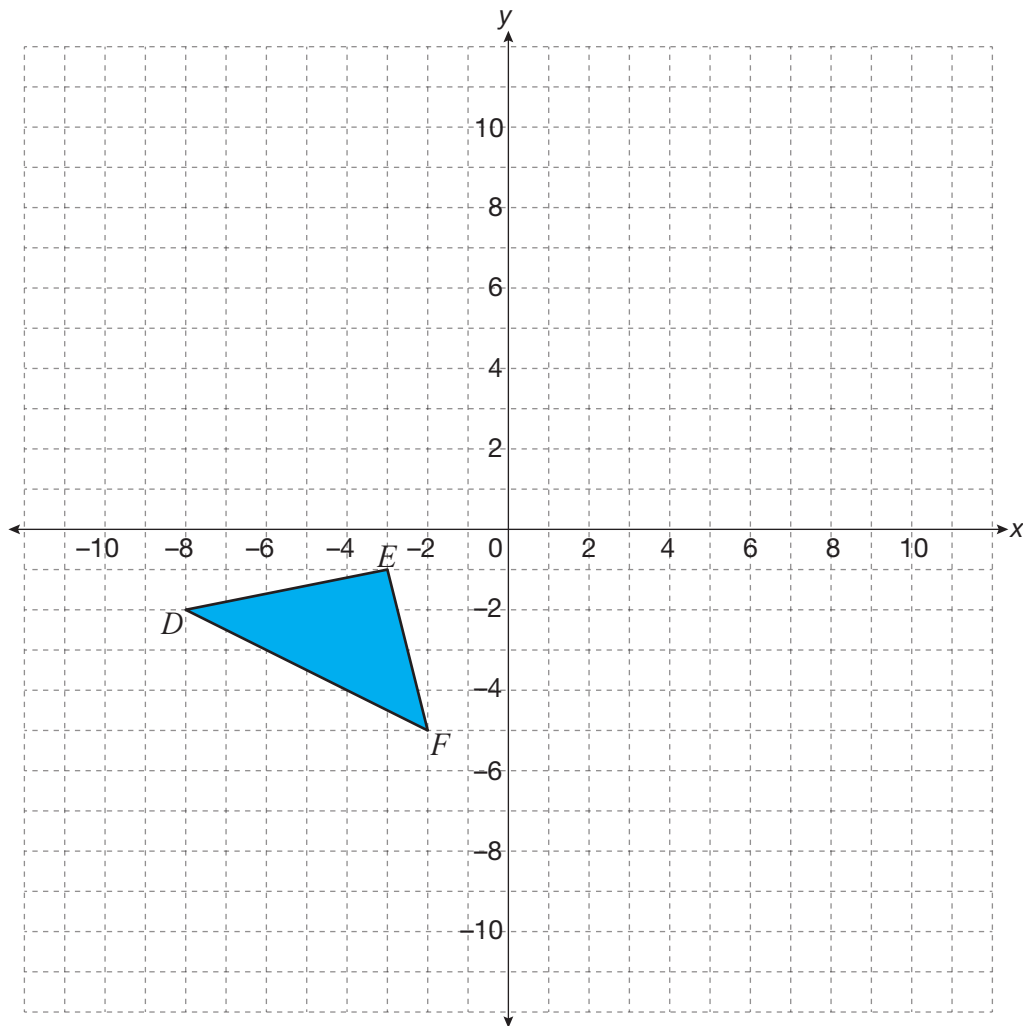# Practice – Part 2

Instructions: Answer each of the following practice questions on a separate piece of paper. Step by step solutions are provided under the Solutions tab. You will learn the material more thoroughly if you complete the questions before checking the answers under the Solutions tab in Moodle.

1.   Rotate quadrilateral $LMNO$ 90° counterclockwise about the origin.

a.   State the coordinates of the image, quadrilateral $L'M'N'O'$.
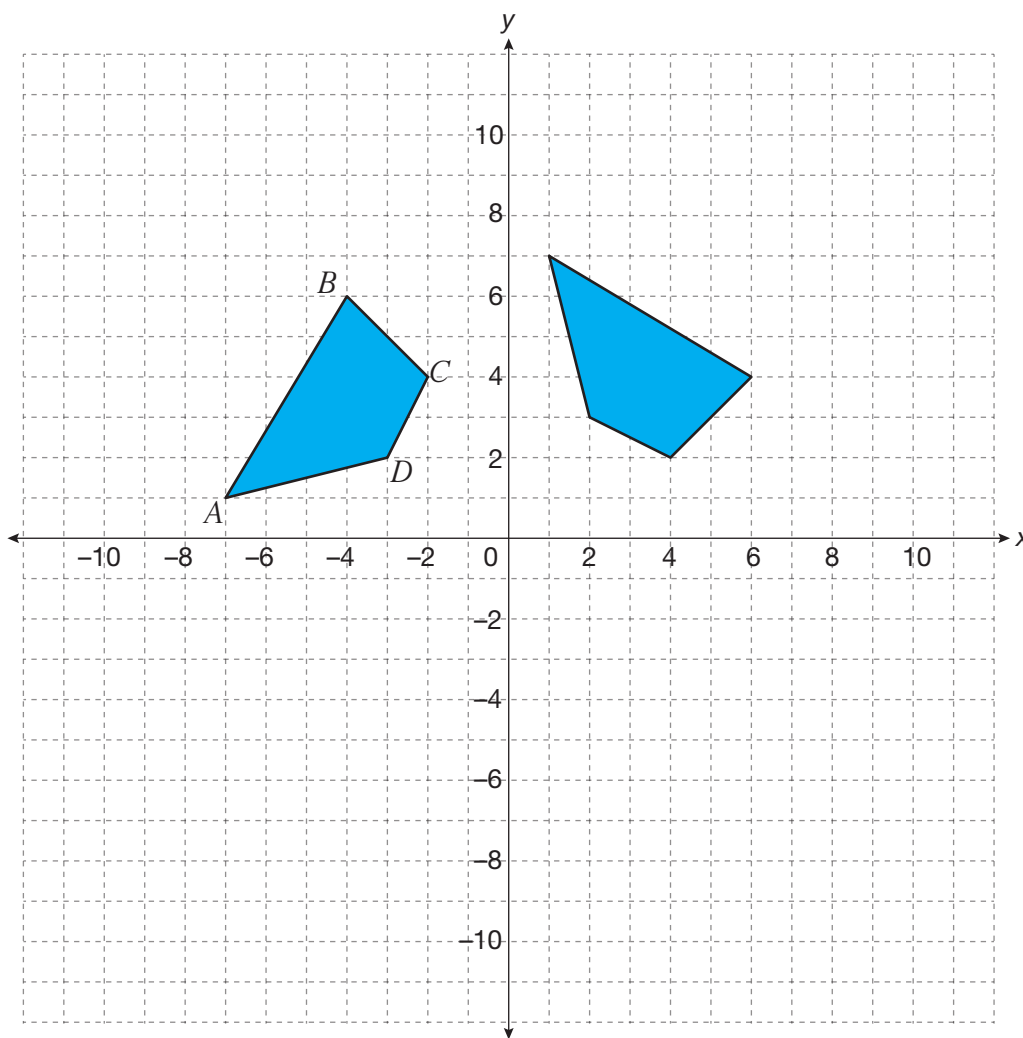
b.   Draw and label image $L'M'N'O'$.

2.   Rotate $\triangle DEF$ $180°$ clockwise about the origin.

a.   State the coordinates of the image, $D'E'F'$.

b.   Draw and label the image, $\triangle D'E'F'$.

3. Answer the following question for the diagram below.

    - Is the transformation a rotation? If a rotation did occur, state the degree and direction.
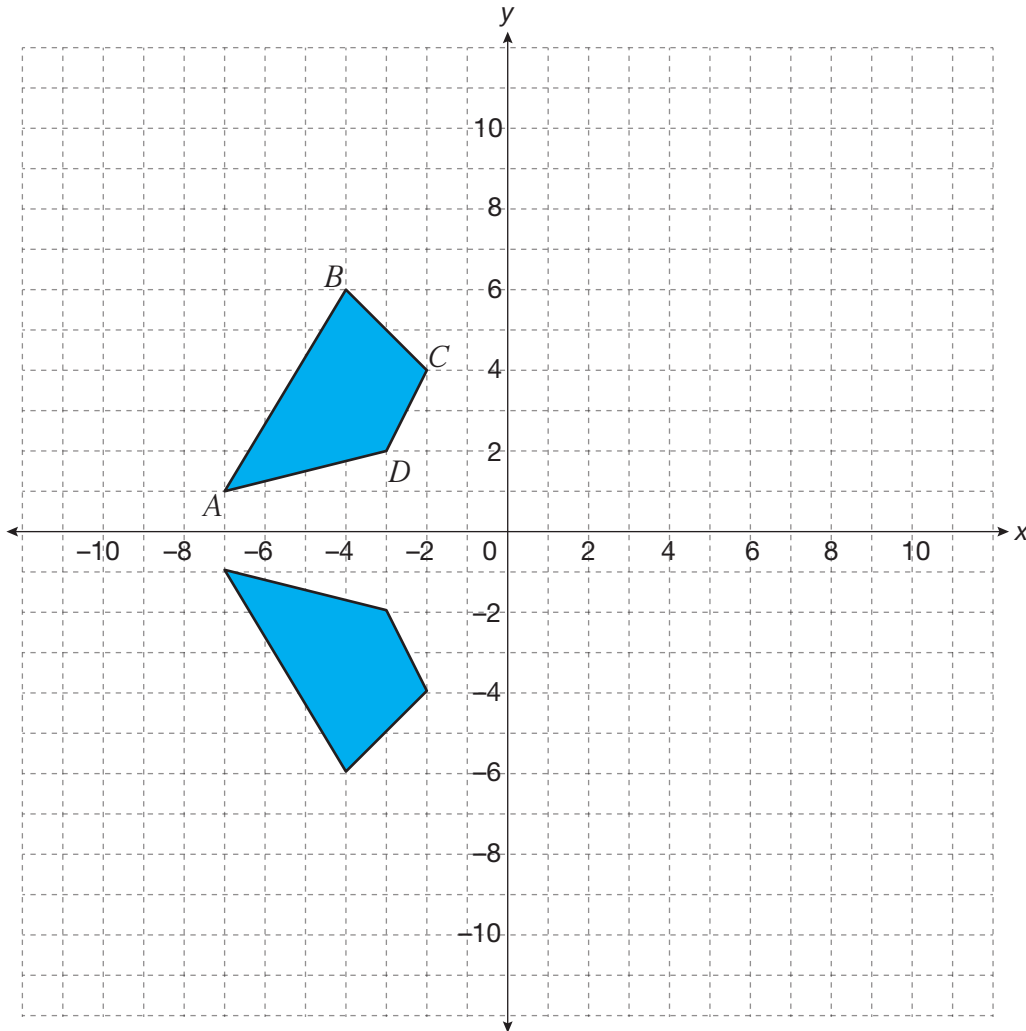   - If it is not a rotation, state the type of transformation that occurred (translation and/or reflection).

4. Answer the following question for the diagram below.

- Is the transformation a rotation? If a rotation did occur, state the degree and direction.
- If it is not a rotation, state the type of transformation that occurred (translation and/or reflection).

5.   Answer the following question for the diagram below.

- Is the transformation a rotation? If a rotation did occur, state the degree and direction.
- If it is not a rotation, state the type of transformation that occurred (translation and/or reflection).