Practice
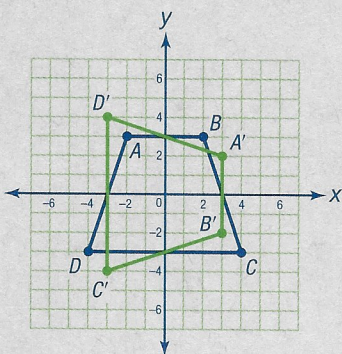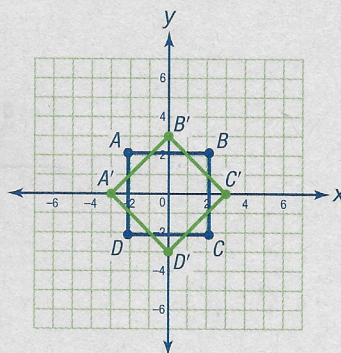
Identify the number of degrees (45°, 90°, 180°, or 270°) by which each quadrilateral *ABCD* has been rotated about the origin to form its image.

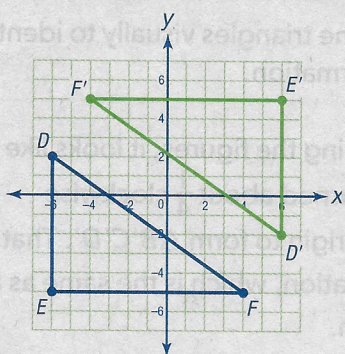**1.**

_____

2.

_____

> **REMEMBER** A −90° rotation is equal to a 270° rotation.

Describe how △*DEF* was rotated to form △*D′E′F′* both in words and in function notation.
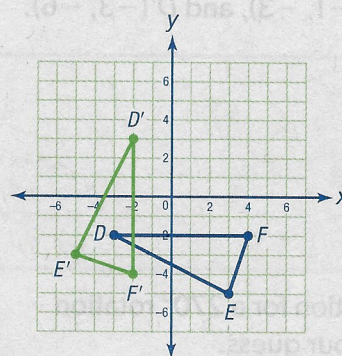
3.

Words: _____

Function: _____

4.

Words: _____

Function: _____

Write *true* or *false* for each statement. If false, rewrite the statement to make it true.

5. A circle is the set of all points that are equidistant from a point called the center.

_____

6. A quarter-turn in the counterclockwise direction is equivalent to a −90° rotation.

_____

7. Corresponding sides of a preimage and an image after a 270° rotation are parallel.

_____