

INVESTIGATION ANSWERS

Graphing Points on a Coordinate Plane, Transformations:

1 origin

2 (5, 2)

3 (3, 8)

4 (4, 4)

5 (7, 5)

6 (9, 6)

7 (1, 6)

8 (8, 1)

9 A (2, 4) and (5, 4)

B (2, 1) and (5, 1)

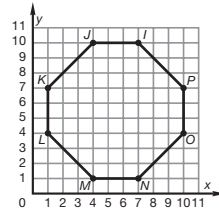
C (0, 1) and (3, 1)

10 Triangle *B* is a mirror image of triangle *A*, so the transformation is a reflection.

11 Sample: If triangle *ABC* is turned so that point *C* is the center of the turn, then it will move into the position of the image shown. The transformation is a rotation.

Graphing Designs:

a octagon



b See student work.