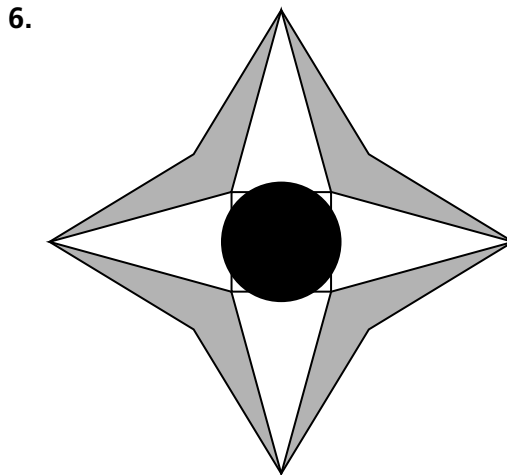
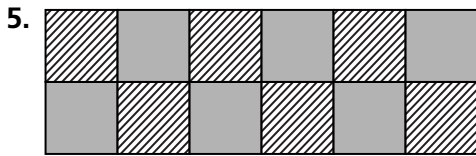
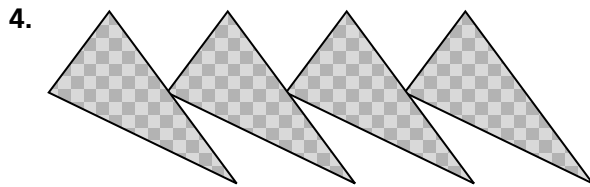
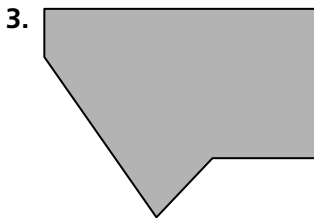
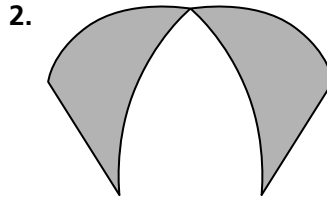
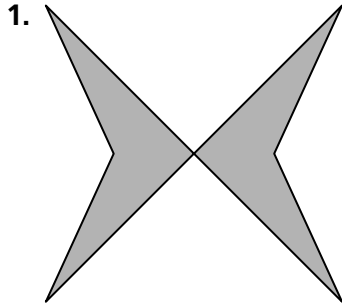


Additional Practice

Investigation 1

Kaleidoscopes, Hubcaps, and Mirrors

Determine all the types of symmetry in the design. Specify lines of symmetry, centers and angles of rotation, and lengths and directions of translations.



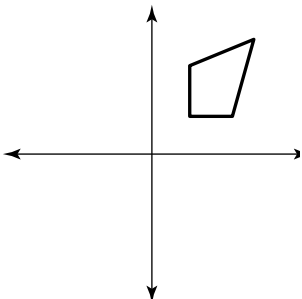
Additional Practice *(continued)*

Investigation 1

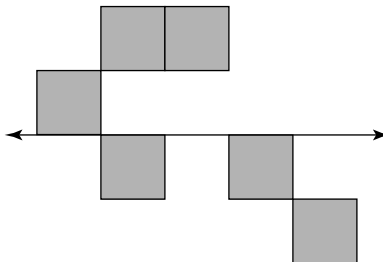
Kaleidoscopes, Hubcaps, and Mirrors

A basic design element and one or more lines are given. Use the basic design element to create a design with the given lines as lines of symmetry.

7.

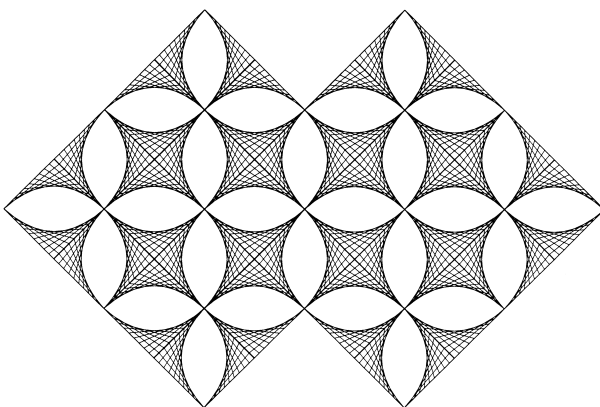


8.

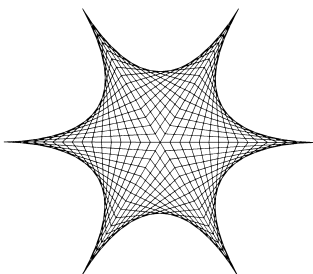


For Exercises 9–10, indicate the lines of symmetry and the center and angle of rotation for the design.

9.



10.



Additional Practice *(continued)*

Investigation 1

Kaleidoscopes, Hubcaps, and Mirrors

11. Using point P as a center of rotation, draw the image of the figure after a counterclockwise rotation of:



a. 90°

b. 180°

c. 270°