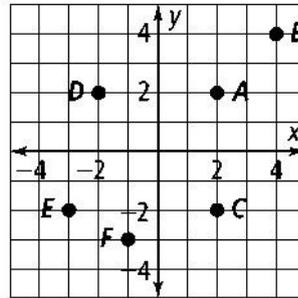


# 9-2 Practice

## Reflections

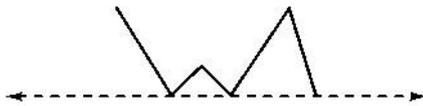
Each point is reflected across the line indicated. Find the coordinates of each image.

1.  $A$  across the  $x$ -axis
2.  $B$  across the  $y$ -axis
3.  $C$  across  $y = 1$
4.  $D$  across  $x = -1$
5.  $E$  across  $y = -1$
6.  $F$  across  $x = 2$

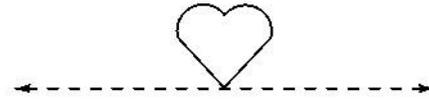


Copy each figure and the dotted line. Draw each figure's reflection image across the dotted line.

7.



8.



9. Point  $A$  on a coordinate grid is at  $(3, 4)$ . If the point is reflected across the line  $y = x$ , what are the coordinates of its image?

**Practice** (continued)

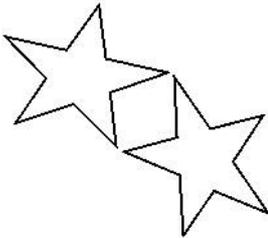
Form G

**9-2**

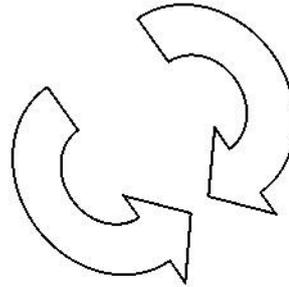
Reflections

Copy each pair of figures. Then draw the line of reflection you can use to map one figure onto the other.

10.



11.



12. Point  $Z$  on a coordinate grid is at  $(-1, 3)$ . If the point is reflected across the line  $y = -x$ , what are the coordinates of its image?

Find the image of  $Z(1, 1)$  after two reflections, first across line  $l_1$ , and then across line  $l_2$ .

13.  $l_1 : x = 2$ ,  $l_2 : y$ -axis

