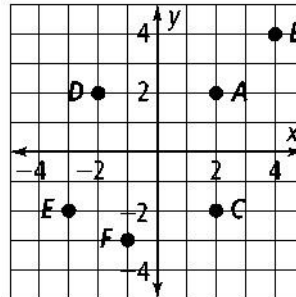


9-2 Practice

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 $x = 2$

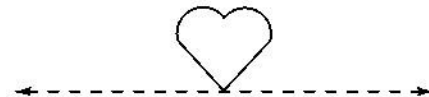


Copy each figure and the dotted line. Draw each figure's reflection image across the dotted line.

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)

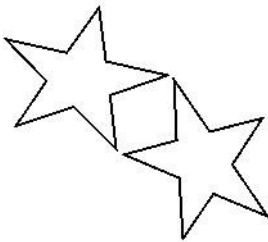
Form G

9-2

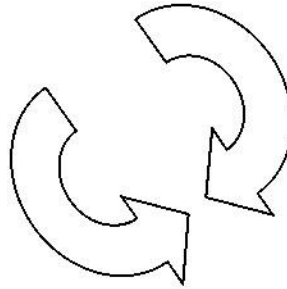
Reflections

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. $\ell_1 : x = 2$, $\ell_2 : y\text{-axis}$

