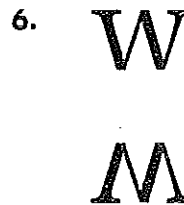
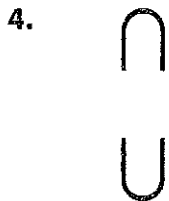
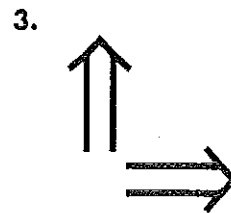
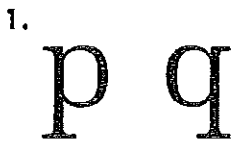


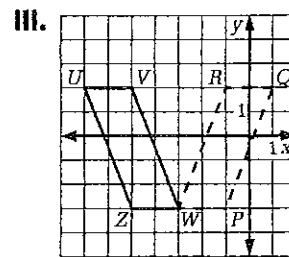
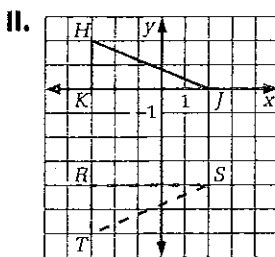
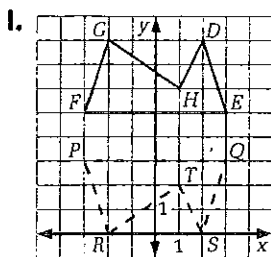
Practice 76

For use with Section 10-1

In Exercises 1–6, tell whether each transformation is a reflection. If it is, draw the line of reflection.



Each diagram below shows a figure and its image.



Write an equation of each line of reflection.

7. Diagram I

8. Diagram II

9. Diagram III

In each diagram, tell the image of each point.

10. For I: D, E, F, G, H

11. For II: H, J, K

12. For III: U, V, W, Z

For each ordered pair (x, y) , tell the image of the point under each reflection. Give an equation of the line of reflection.

13. $(x, y) \rightarrow (x, -y): (3, 2), (1, -1)$

14. $(x, y) \rightarrow (-x, y): (-5, 1), (3, 4)$

15. $(x, y) \rightarrow (-y, -x): (4, -3), (5, 1)$

16. $(x, y) \rightarrow (x, 6 - y): (2, 5), (-1, 4)$

17. *Open-ended* Look in magazines for ads that picture an object and its reflection. For each ad, trace the object and its reflection and draw the line of reflection.