

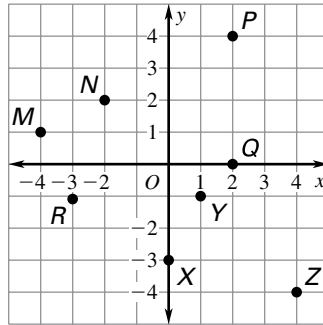
## 1.8

## Practice B

For use with pages 47–51

Give the coordinates of the point.

1.  $X$
2.  $Y$
3.  $Z$
4.  $M$
5.  $N$
6.  $P$
7.  $Q$
8.  $R$



Plot the point in a coordinate plane. Describe the location of the point.

9.  $(-7, 6)$
10.  $(-5, -3)$
11.  $(2, 3)$
12.  $(5, 2)$
13.  $(-4, 0)$
14.  $(3, -6)$
15.  $(-2, 1)$
16.  $(5, 0)$
17.  $(0, -2)$
18. Use a coordinate plane.
  - a. Plot the points  $(0, 0)$ ,  $(0, 4)$ ,  $(5, 4)$ ,  $(8, 2)$ , and  $(5, 0)$ . Connect the points in order. Connect the last point to the first point.
  - b. Identify the figure. Explain your reasoning.
19. Use the variable expression  $3x - 1$ .
  - a. Evaluate the expression when  $x = -3, -2, -1, 0, 1, 2$ , and  $3$ .
  - b. Use your results from part (a) to write a list of ordered pairs in the form  $(x, 3x - 1)$ .
  - c. Plot the ordered pairs  $(x, 3x - 1)$  from part (b) in a coordinate plane.
  - d. Describe what you notice about the points.
20. The table shows the number of women who finished the New York City Marathon from 1997 to 2001.

Year	1997	1998	1999	2000	2001
Women Finishers	8413	8332	9160	8332	6853

- a. Make a scatter plot of the data.
- b. Describe any relationship you see.