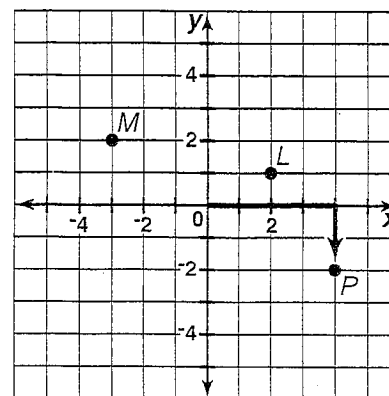


# Graphing Ordered Pairs

An ordered pair gives the coordinates and location of a point. The first number tells you how far left or right the point is located. The second number tells you how far up or down the point is located.

Point *M* is located at  $(-3, 2)$ .

Point *L* is located at  $(2, 1)$ .



Here is how to graph point *P*  $(4, -2)$ :

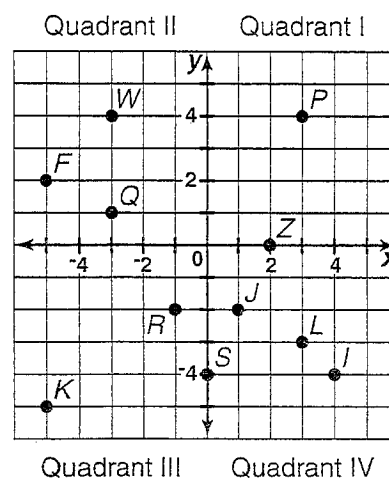
**Step 1:** Start at the origin  $(0, 0)$ .

**Step 2:** Move 4 units to the right.

**Step 3:** Move 2 units down. Draw a point. Label it *P*.

Give the ordered pair for each point.

1. *P* \_\_\_\_\_
2. *Q* \_\_\_\_\_
3. *R* \_\_\_\_\_
4. *S* \_\_\_\_\_



Name the point for each ordered pair and the quadrant or axis on which it lies.

5.  $(-5, -5)$  \_\_\_\_\_
6.  $(-3, 4)$  \_\_\_\_\_
7.  $(1, -2)$  \_\_\_\_\_
8.  $(3, -3)$  \_\_\_\_\_

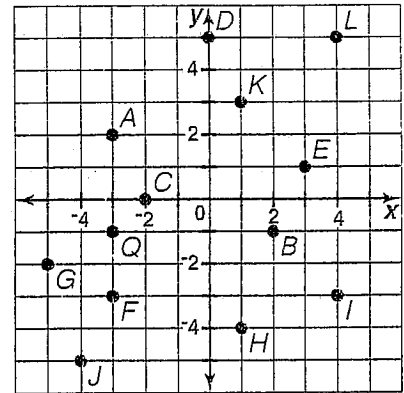
Graph and label the points on the graph above.

9. *B*  $(-4, -2)$
10. *C*  $(5, 0)$

# Graphing Ordered Pairs

Give the ordered pair for each point.

- |            |            |
|------------|------------|
| 1. A _____ | 2. B _____ |
| 3. C _____ | 4. D _____ |
| 5. E _____ | 6. F _____ |



Name the point for each ordered pair and the quadrant or axis on which it lies.

7.  $(1, -4)$  \_\_\_\_\_
8.  $(4, 5)$  \_\_\_\_\_
9.  $(-4, -5)$  \_\_\_\_\_
10.  $(4, -3)$  \_\_\_\_\_
11.  $(-5, -2)$  \_\_\_\_\_
12.  $(1, 3)$  \_\_\_\_\_

13. **Reasoning** Tara graphed the following points:  $(3, 3)$ ,  $(3, -3)$ ,  $(-3, -3)$ , and  $(-3, 3)$ . Without plotting the points, tell what shape Tara would form if she connected these points using straight lines.

\_\_\_\_\_

## Test Prep

14. Look at the graph from Exercise 1. What are the coordinates of point Q?
- A.  $(-3, 1)$       B.  $(1, -3)$       C.  $(-3, -1)$       D.  $(-1, -3)$
15. **Writing in Math** Explain how, if you know a point is in Quadrant II, you can determine the signs of the coordinates. Give an example.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_