2-9

Name _____ Date _____

# Graphing Ordered Pairs (pages 82–85)

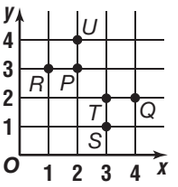
The point on a graph where the ***x*-axis** and the ***y*-axis** intersect is the **origin**. You can name any point on a graph by first giving the *x*-coordinate and then the *y*-coordinate of the point. For example, the **ordered pair** (2, 3) names the point that is 2 units to the right of the origin and 3 units up.

| | |
|---|---|
| **Naming a Point on a Graph** | Start at the origin.<br>• Move along the *x*-axis until you are as far right as the point. The number of units you moved is the *x*-coordinate.<br>• Move up until you are at the point. The number of units you moved up is the *y*-coordinate. |

## EXAMPLES

**A** Name the ordered pair for point $P$.
*P is 2 to the right and 3 up. P is (2, 3).*

**B** What is the name of the point (3, 1)?
*The point that is 3 to the right and 1 up is S.*




### Try These Together

**1.** What is the name of the point (1, 3)?
*HINT: Move from the origin one unit along the x-axis.*

**2.** Name the ordered pair for point $Q$.
*HINT: Start at the origin and move to the right.*

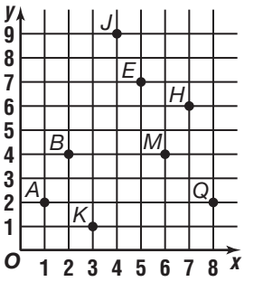
## PRACTICE

***Use the grid at the right to name the point for each ordered pair.***

**3.** (2, 4) **4.** (5, 7) **5.** (3, 1) **6.** (7, 6)

***Use the grid at the right to name the ordered pair for each point.***

**7.** $A$ **8.** $Q$ **9.** $M$ **10.** $J$




**11.** **Standardized Test Practice** The grid is a simple version of Annika's house. Which ordered pair indicates the location of her brother Nicholas' room?

**A** (6, 3) **B** (6, 5)
**C** (3, 6) **D** (5, 6)


**Answers:** **1.** $R$ **2.** (4, 2) **3.** $B$ **4.** $E$ **5.** $K$ **6.** H **7.** (1, 2) **8.** (8, 2) **9.** (6, 4) **10.** (4, 9) **11.** D