## MAIN IDEA

- Locate and graph ordered pairs on a coordinate plane.


## BUILD YOUR YOGABULARY (page 262)

The coordinate system, or coordinate plane, is a grid used to locate points.


## EXAMPLES Identify Ordered Pairs

Identify the ordered pair that names each point. Then identify its quadrant.
point $P$
Step 1 Start at the $\square$ Move
$\square$ on the $x$-axis to find the $x$-coordinate of point $P$, which is $\square$


Step 2 Move down the $y$-axis to find the $y$-coordinate, which is $\square$ .

Point $P$ is named by $\square$
Point $P$ is in the $\square$ quadrant.

## (2) point $S$

Step 1 Start at the origin. Move left on the $x$-axis to find the $x$-coordinate of point $S$, which is $\square$
Step 2 Move down the $y$-axis to find the $y$-coordinate, which is $\square$ Point $S$ is named by $\qquad$ Point $S$ is in the $\square$ quadrant.

Check Your Progress Write the ordered pair that names each point. Then identify its quadrant.
a. point $A$

b. point $B$



## Homework ASSIGNMENT

Page(s):<br>Exercises:

## EXAMPLE Graph Ordered Pairs

3 Graph point $A$ at $(-4,3)$.


Next, since the $y$-coordinate is 3 , move $\square$ units $\square$. Draw a dot.


Check Your Progress
Graph point $C$ at (2, -4).


