Name _____ Date _____

Reteach 23.1

Integers and the Coordinate Plane

On a coordinate plane, the **horizontal** axis is called the ***x*-axis.**

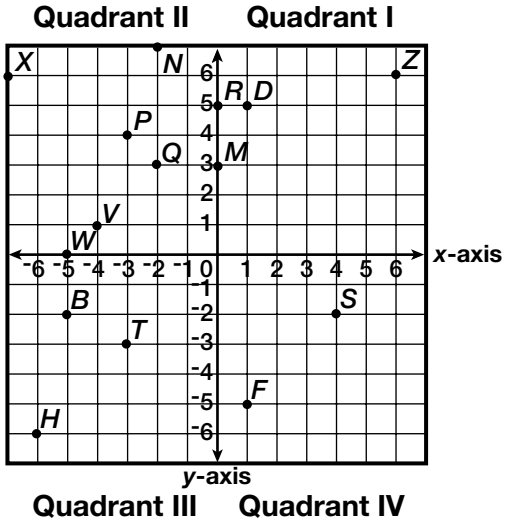
The ***x*-axis** is a **horizontal number line.**

The **vertical** axis is called the *y*-axis. The ***y*-axis** is a **vertical number line.**

The axes divide the grid into 4 **quadrants.** When naming a **point,** give the location on the *x*-axis first. Then give the location on the *y*-axis.

To reach point *P* from the origin, you move left to $^{-}3$ on the *x*-axis and up to $^{+}4$ on the *y*-axis. The numbers $^{-}3$ and 4 are called the **coordinates** of point *P.* The *x*-coordinate is $^{-}3$ and the *y*-coordinate is $^{+}4$.

You describe any location on the grid using an ordered pair. Point *P* is located at ($^{-}3$, 4) in Quadrant II.



Use the graph above for Exercises 1–6.
Write the ordered pair for each point.

1. *R* _____

2. *T* _____

3. *S* _____

4. *B* _____

5. *V* _____

6. *W* _____

Write the letter name for each point.

7. ($^{-}7$, $^{+}6$) _____

8. (0, $^{+}3$) _____

9. ($^{+}1$, $^{-}5$) _____

10. ($^{-}6$, $^{-}6$) _____

11. ($^{-}2$, $^{+}3$) _____

12. ($^{-}2$, $^{+}7$) _____

Use with text pages 610–612.