

Graph in Four Quadrants and Solve Problems Using Graphs

The **coordinate grid** is made by crossing two number lines. The number lines are called **axes**.

The point where the axes cross is called the **origin**. It is labeled $(0, 0)$.

The horizontal axis is called the **x-axis**. It goes from left to right.

The vertical axis is called the **y-axis**. It goes up and down.

To plot an ordered pair on a coordinate grid:

- Start at the origin.
- If the first number is positive, move right. If it is negative, move left.
- If the second number is positive, move up. If it is negative, move down.

Point **A** has coordinates $(5, -4)$.

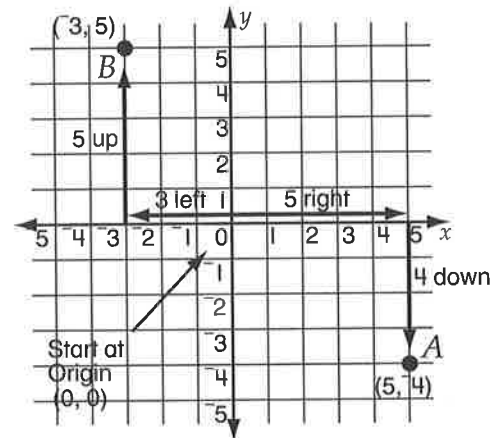
To get there, start at $(0, 0)$.

Move 5 right, then 4 down.

Point **B** has coordinates $(-3, 5)$.

To get there, start at $(0, 0)$.

Move 3 left, then 5 up.



Write the ordered pair for the point described.

1. Move 3 left, then 1 up.
2. Move 5 right, then 1 down.
3. Move 1 left, then 2 down.

Give the coordinates of the point.

4. **C** _____

5. **D** _____

6. **E** _____

7. **F** _____

