



Graphing Ordered Pairs

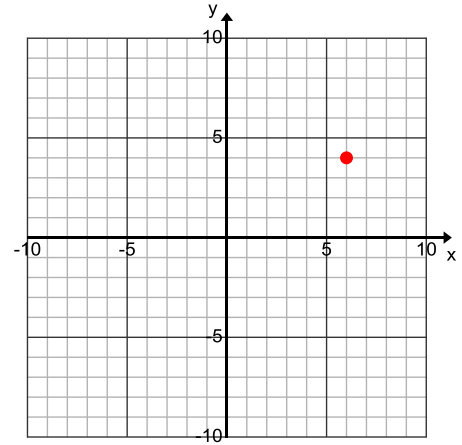
A point is located by an ordered pair of numbers. Two perpendicular number lines called axes are used.

The horizontal number line is called the x -axis.
 The vertical number line is called the y -axis.

The point where the axes intersect is called the origin.
 We represent that point as the ordered pair $(0, 0)$.

Beginning at the origin we must move left or right,
 then up or down according to the values given.

To graph $(6, 4)$, we begin at the origin and move 6 units to the right, then 4 up. At the intersection of the horizontal and vertical lines, we mark a small circle like the one shown in red.



Plot the following points on the graph to the right.

- | | |
|------------|------------|
| $(3, 2)$ | $(6, -1)$ |
| $(-4, 5)$ | $(0, 7)$ |
| $(-5, -4)$ | $(2, 8)$ |
| $(-2, 0)$ | $(1, -3)$ |
| $(4, -5)$ | $(-1, -2)$ |

