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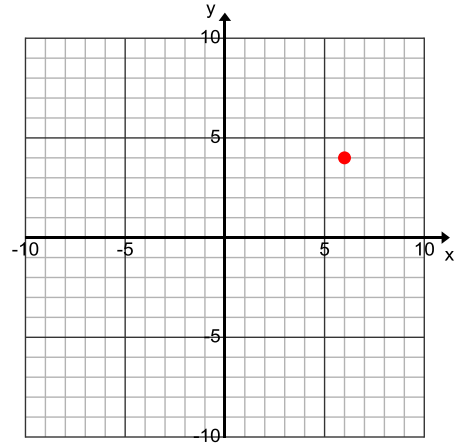
A point is located by an ordered pair of numbers. Two perpendicular number lines called axes are used.

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)