

## GRAPHING LINES FROM A TABLE OF VALUES

Plotting and connecting ordered pairs creates a graph.

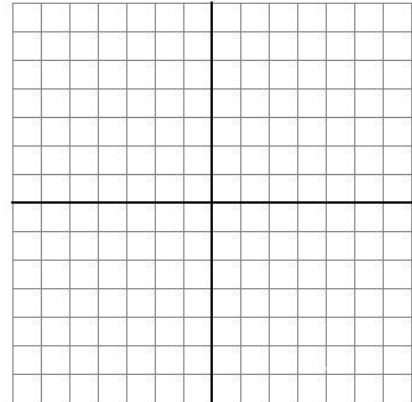
We can use an equation, with given values of  $x$ , to determine values of  $y$ .

To do this, we substitute the value of  $x$  into the equation, then calculate the value of  $y$ .

For each of the following equations, make a table of values and sketch the graph for the line.

a)  $y = x - 5$

$x$	$y = x - 5$	$(x, y)$

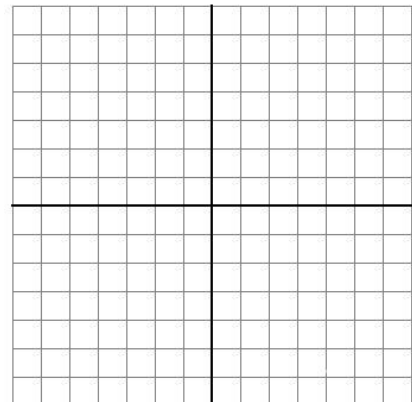


Calculate slope:

What is the slope of  $y = x - 5$ ? \_\_\_\_\_

b)  $y = -3x + 4$

$x$	$y = -3x + 4$	$(x, y)$
-1		
0		
1		
2		



Calculate Slope

What is the slope of  $y = -3x + 4$ ? \_\_\_\_\_