

Graphing a line using a table

1. Construct a table by plugging in a x -value into the equation
2. Next solve for y
3. The x -value and y solution are a point on the line (x, y)

Example, graph $y + 2x = 6$

$$y + 2x = 6$$

plug-in 1, then solve for y

$$y + 2(1) = 6$$

$$y + 2 = 6$$

$$y = 4$$

the point $(1, 4)$ is on the line, try another x -value, $x = 5$

x	y
1	4
5	