

## 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	