Graphing Equations

How to graph equations:

Graph the equation $y = x - 3$.
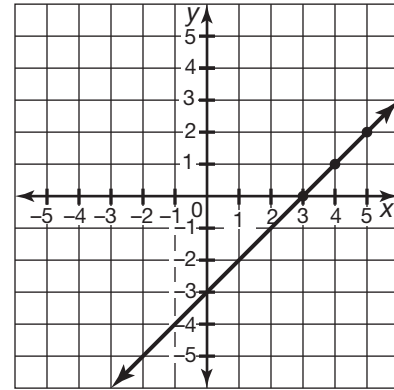
First make a T-table like the one at the right.

Use at least 3 values for x.

x	y
3	0
4	1
5	2

Graph each ordered pair onto the coordinate plane, then draw a line connecting the points. Every point on this line meets the condition that $y = x - 3$.
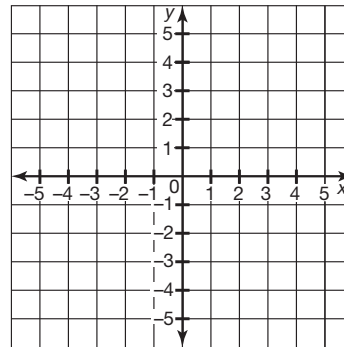
Because the graph of this equation is a straight line, it is called a linear equation.

Complete each T-table. Then graph each equation.

1. $y = x + 1$

x	y
1	
2	
3	

2. $y = 3 - x$

x	y
0	
2	
3	