4.1

Graphing Linear Equations

Review

Solve the equation for y.

$$y = 2x + 5$$

1) If $x = 3$

2) If $x = -2$

Review

Solve the equation for y.

$$y = \frac{1}{2}x + 1$$

3) If $x = 4$

4) If $x = -6$

Using a Table of Values

1) Graph $y = x - 3$ using a table of values.

Fill in the following table of values if x = -2, -1, 0, 1, 2

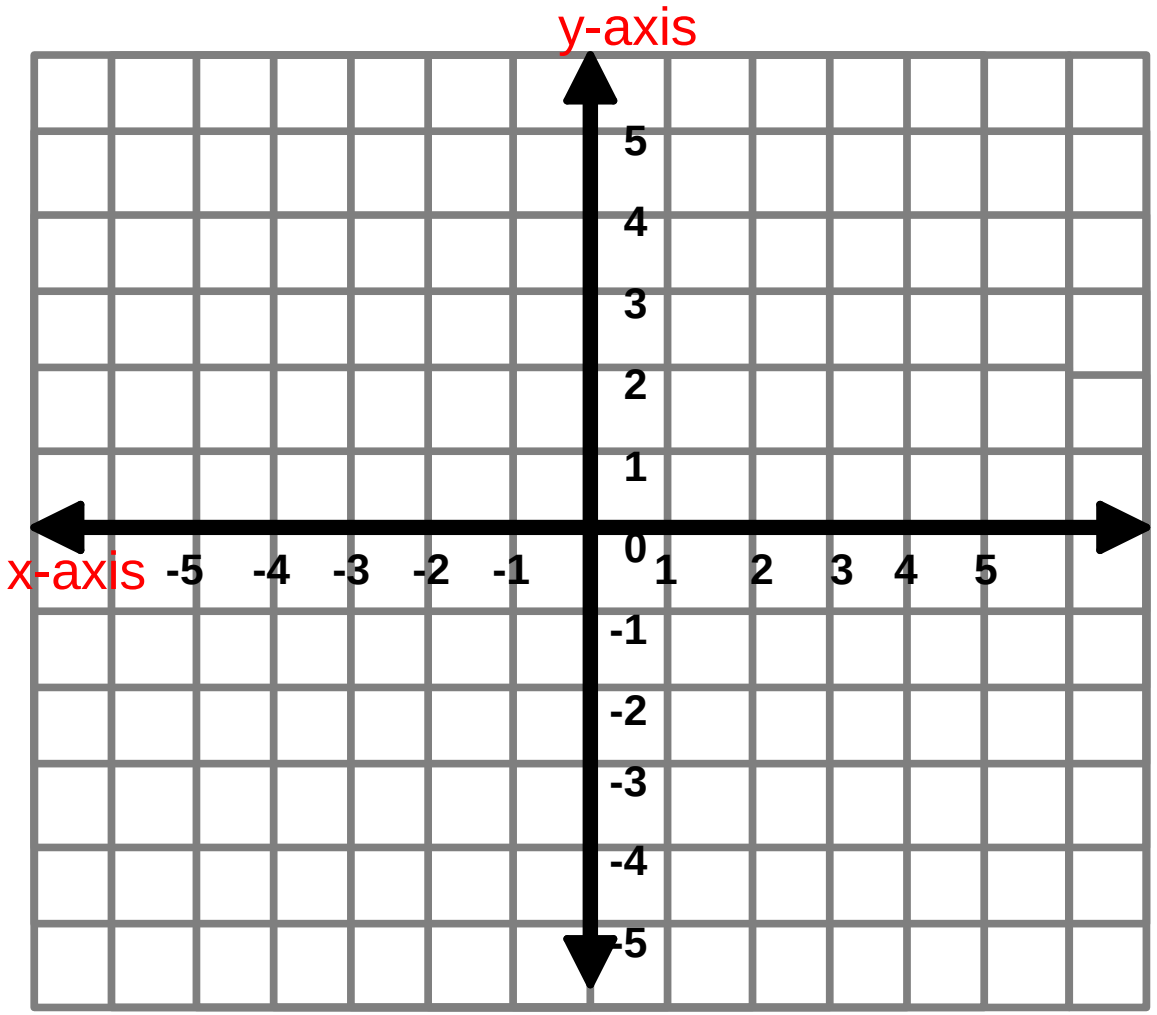
x		y	(x, y)

Using a T-Chart

2) Graph $y = x - 3$ using T-chart.

Fill in the following table of values if x = -2, -1, 0, 1, 2

x	y



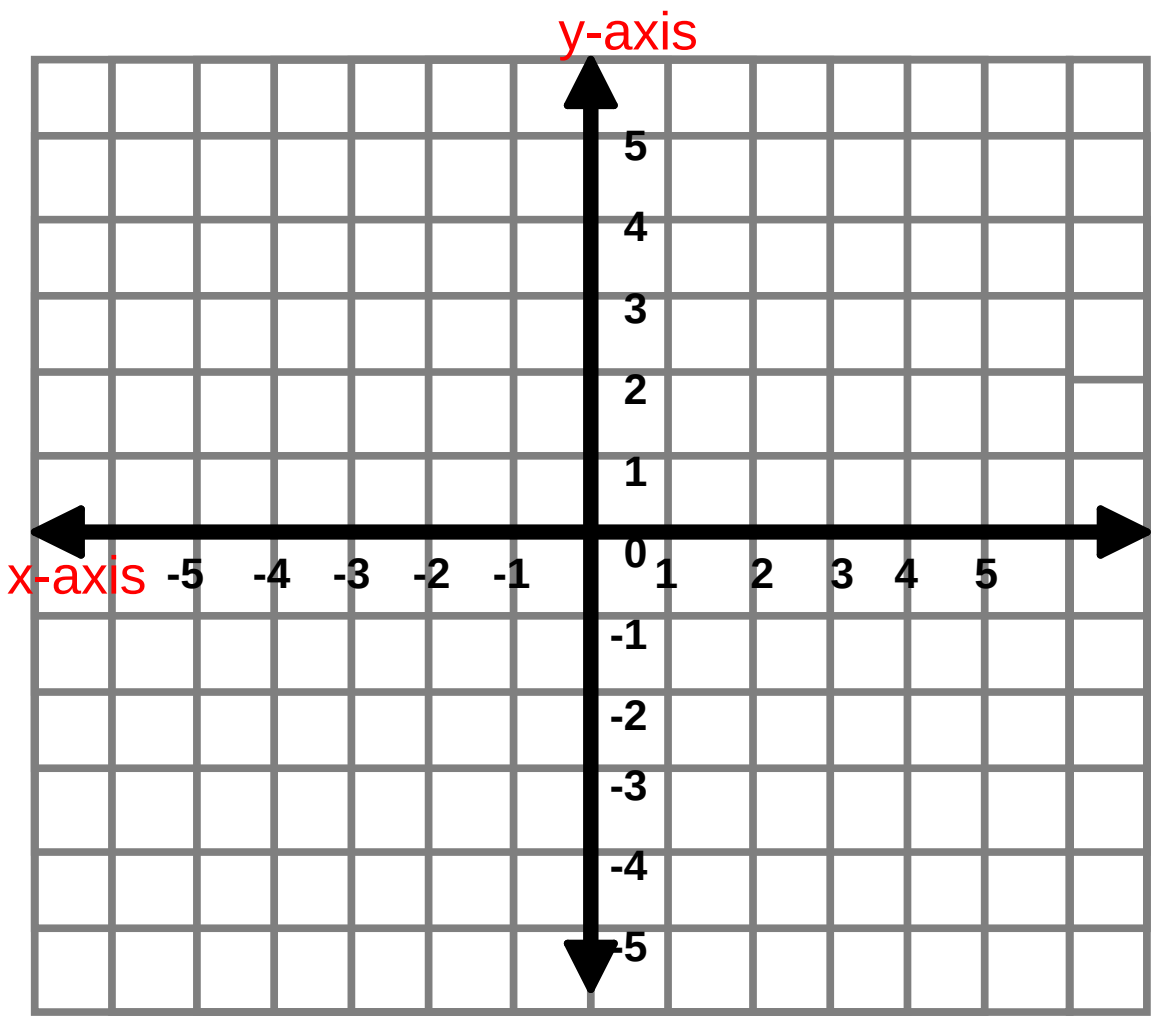
3) Graph the linear equation using T-chart.

$$y = 3x + 1$$

Fill in the following T-Chart if x is -2, -1, 0, 1, 2.

Graph the points.

x	y



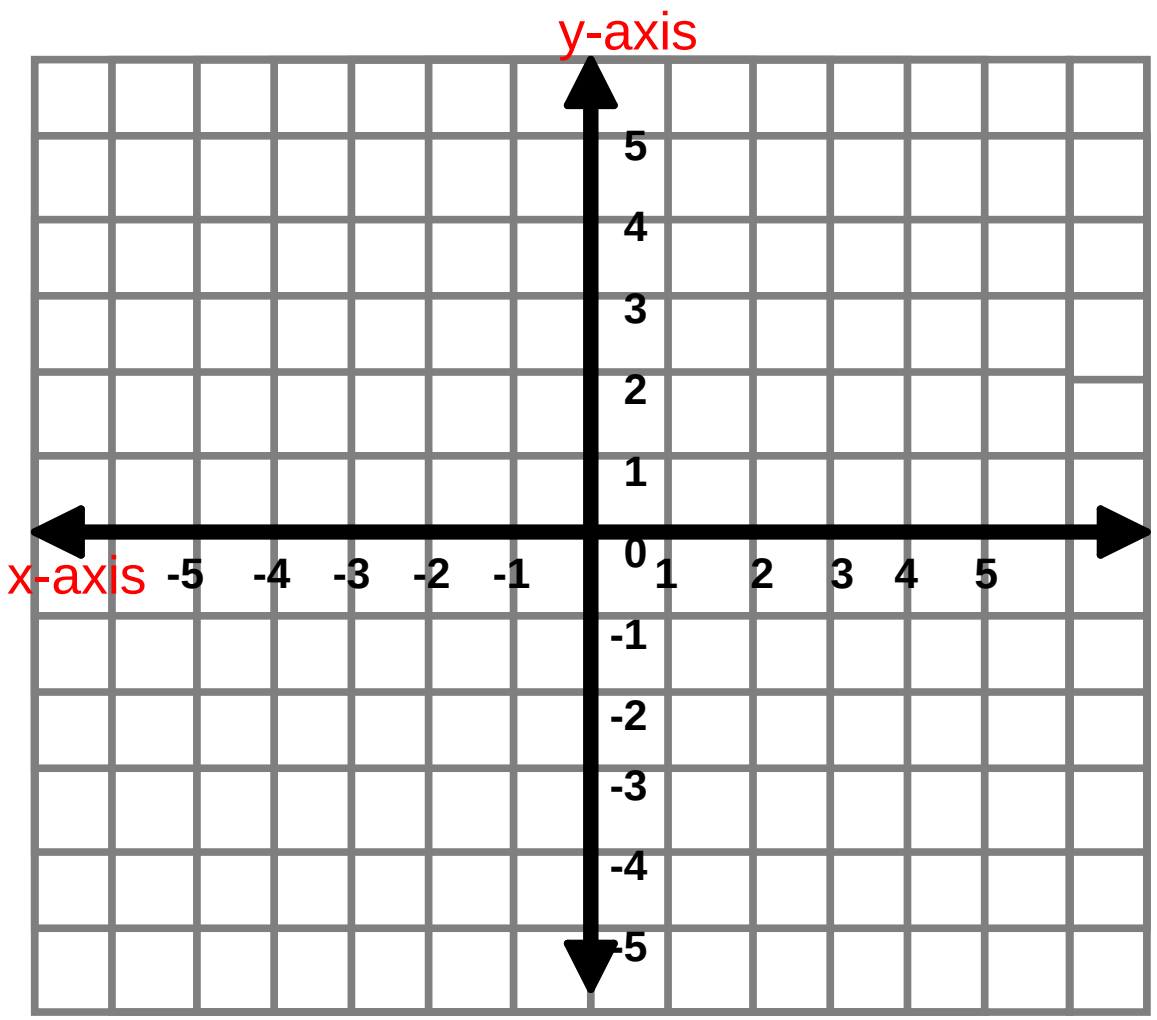
4) Graph the linear equation using T-chart.

$$y = -x + 4$$

Fill in the following T-Chart if x is -2, -1, 0, 1, 2.

Graph the points.

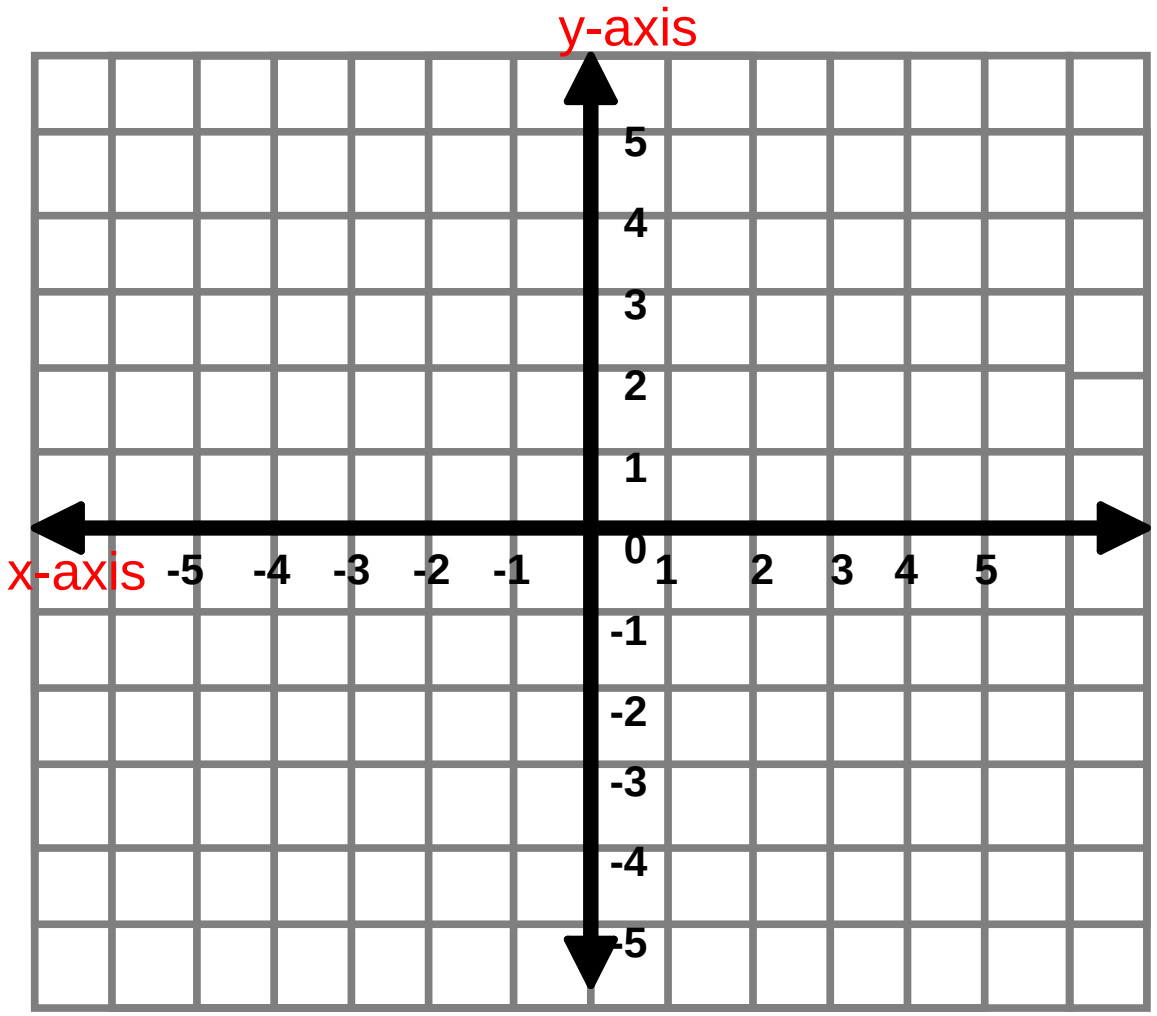
x	y



5) Graph the linear equation using T-chart.

$$y = 2x - 1$$

x	y



Using a Table of Values

6) Graph $y = \frac{1}{2}x + 1$ using a table of values.

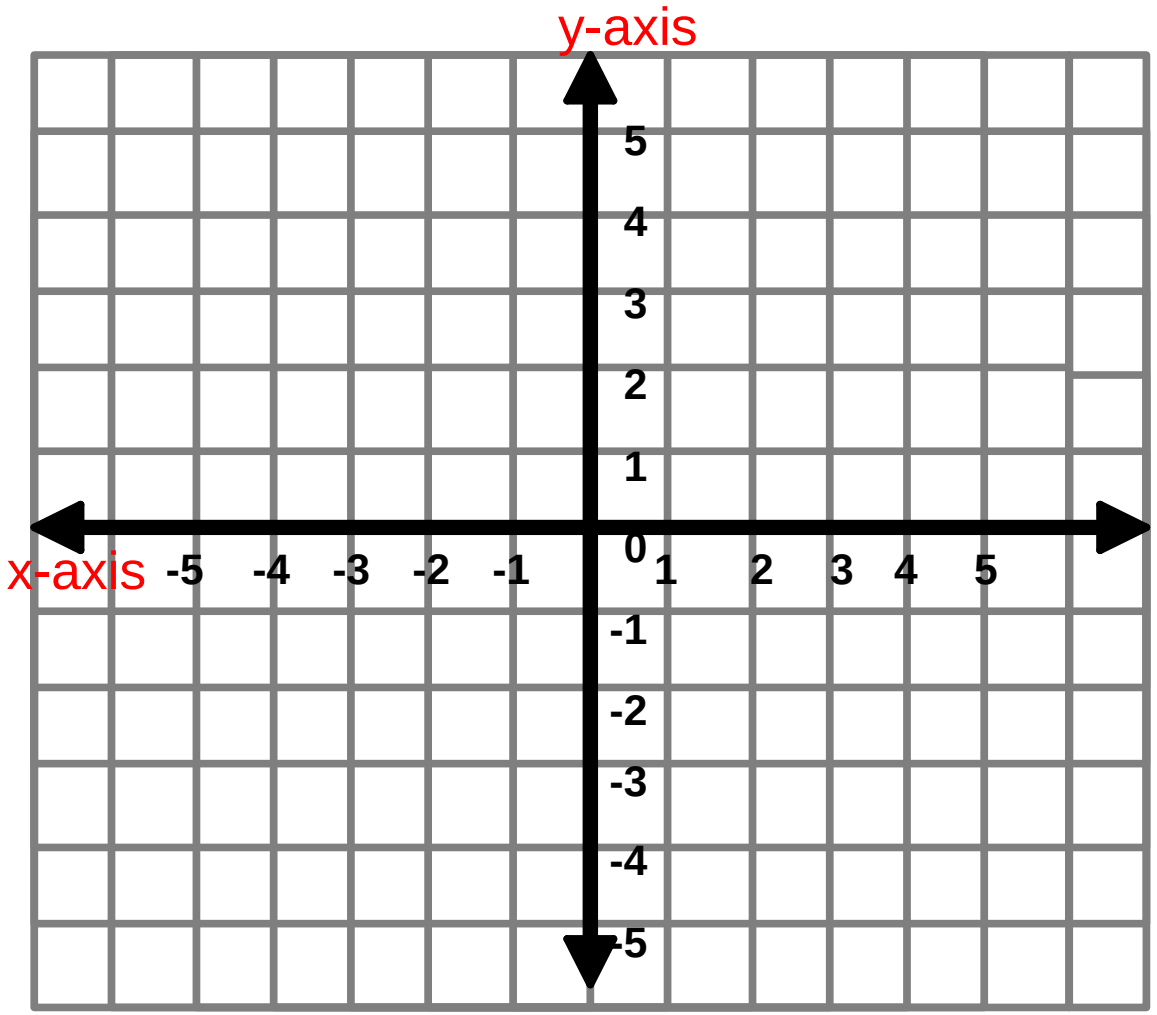
Choose the values for x that would make it easy to solve.

x		y	(x, y)

Using a T-Chart

7) Graph $y = \frac{1}{2}x + 1$ **using T-chart.**

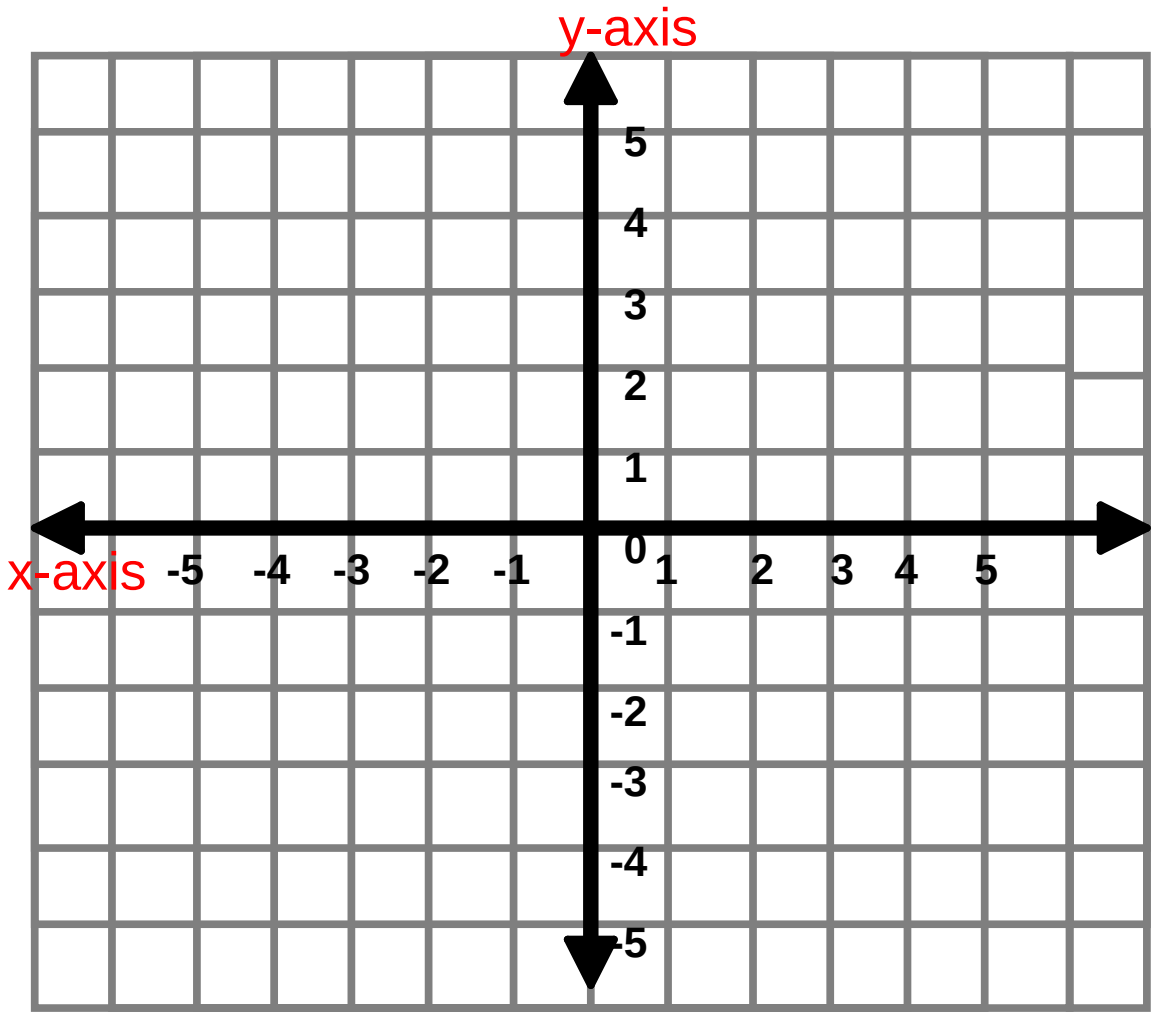
x	y



8) Graph the linear equation using T-chart.

$$y = \frac{1}{3}x + 2$$

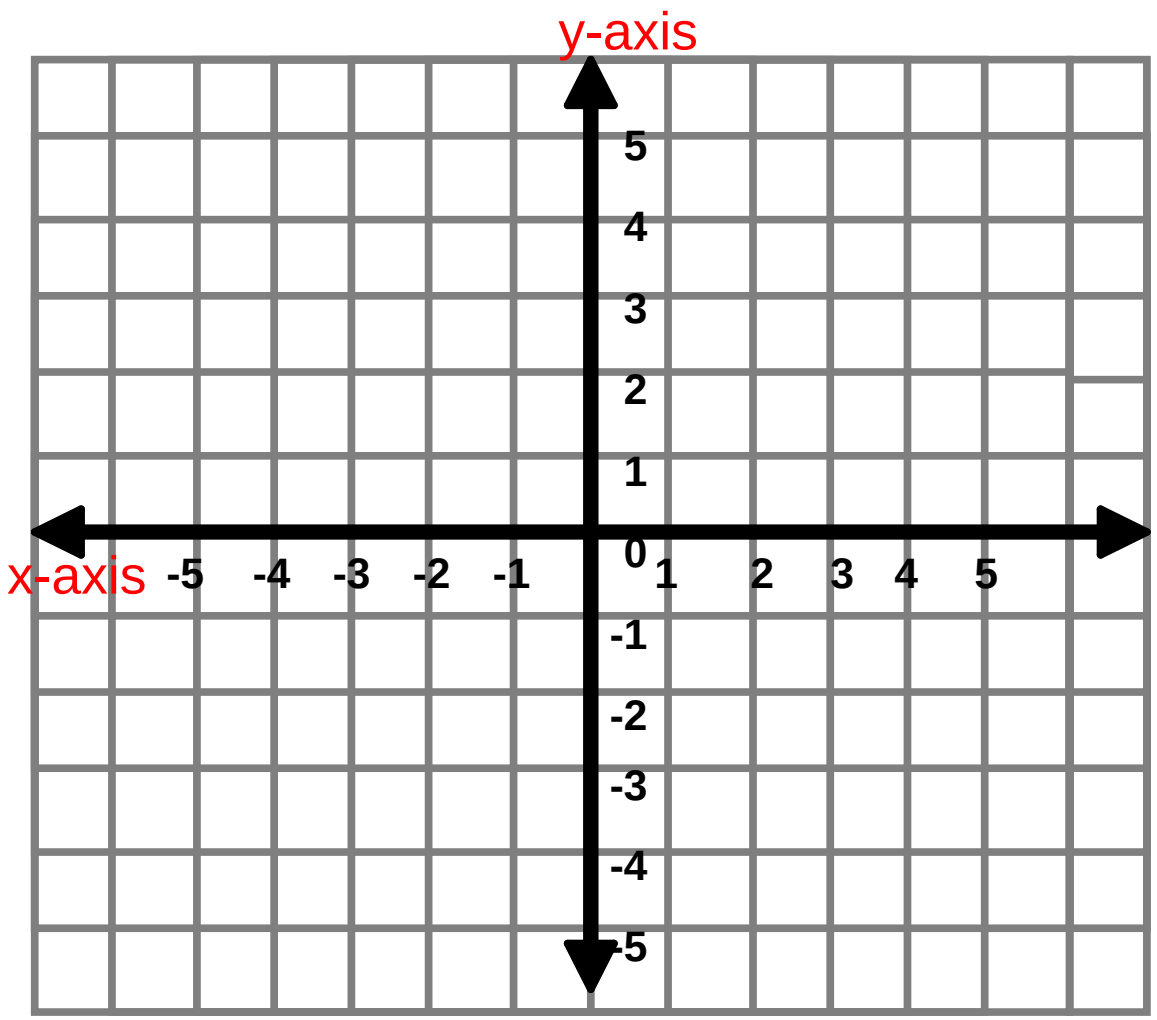
x	y



9) Graph the linear equation using T-chart.

$$y = \frac{1}{4}x - 2$$

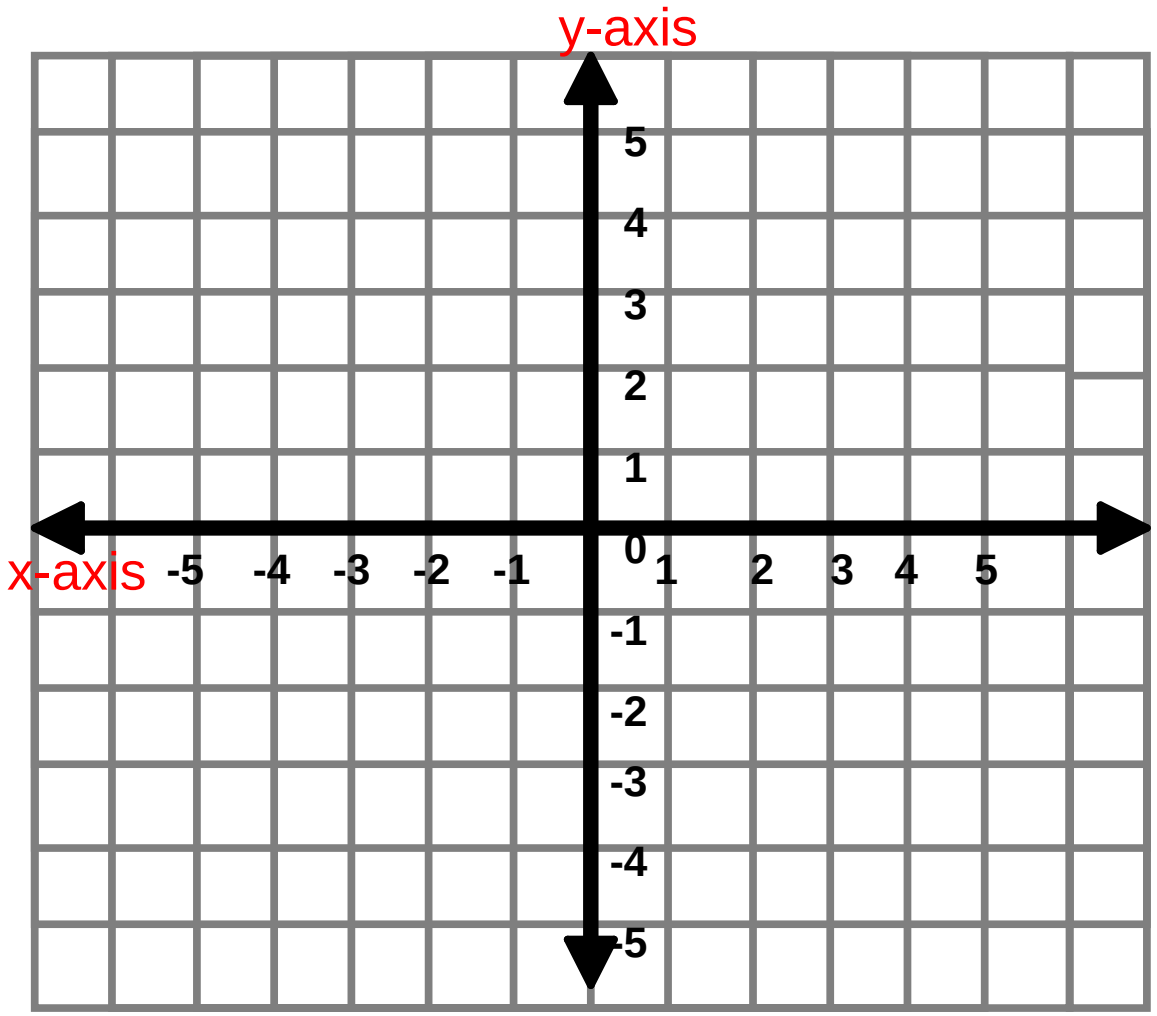
x	y



10) Graph the linear equation using T-chart.

$$y = \frac{1}{2}x - 3$$

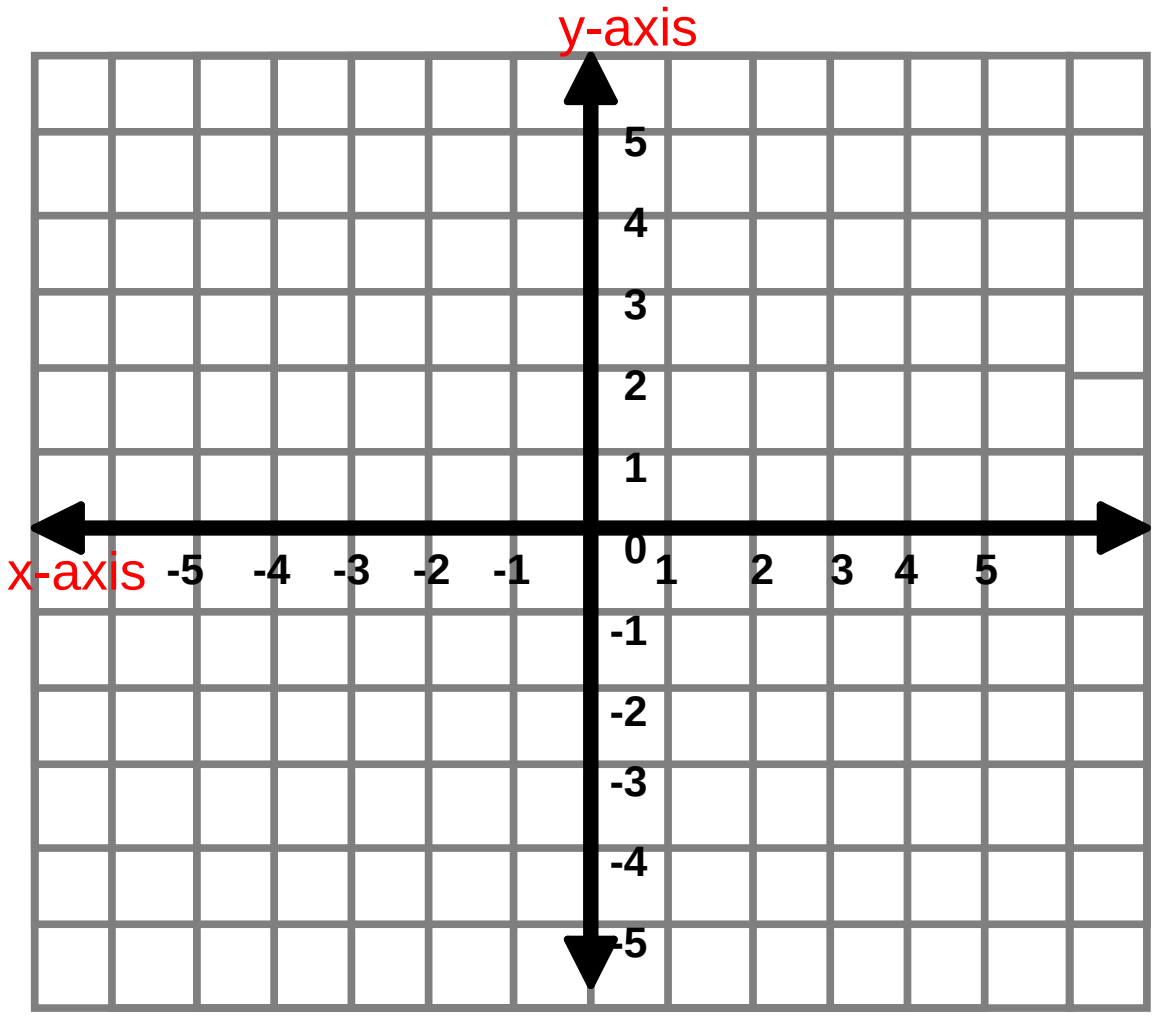
x	y



Graphing Horizontal and Vertical Lines

11) $y = 4$

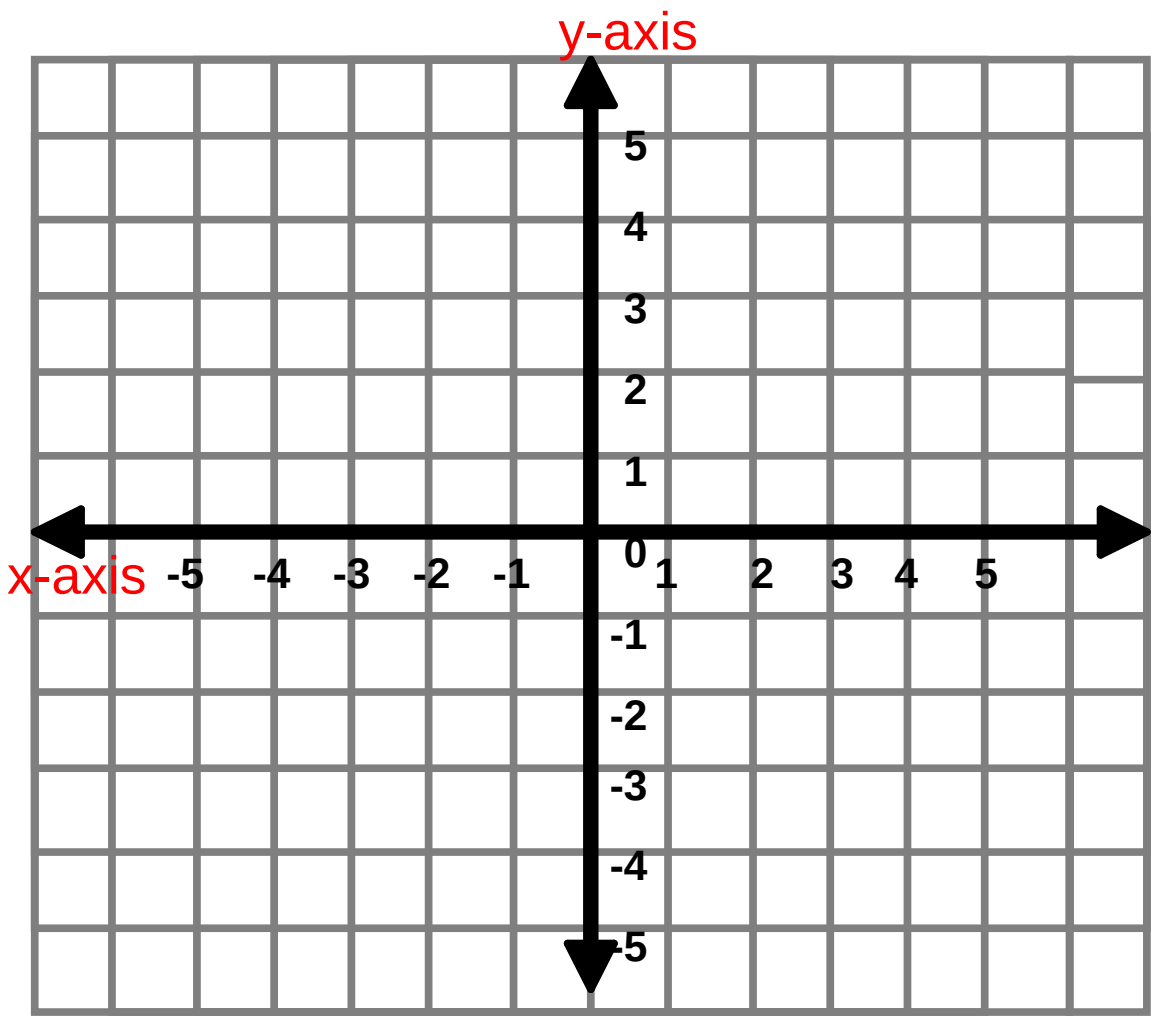
x	y



Graphing Horizontal and Vertical Lines

12) $x = 3$

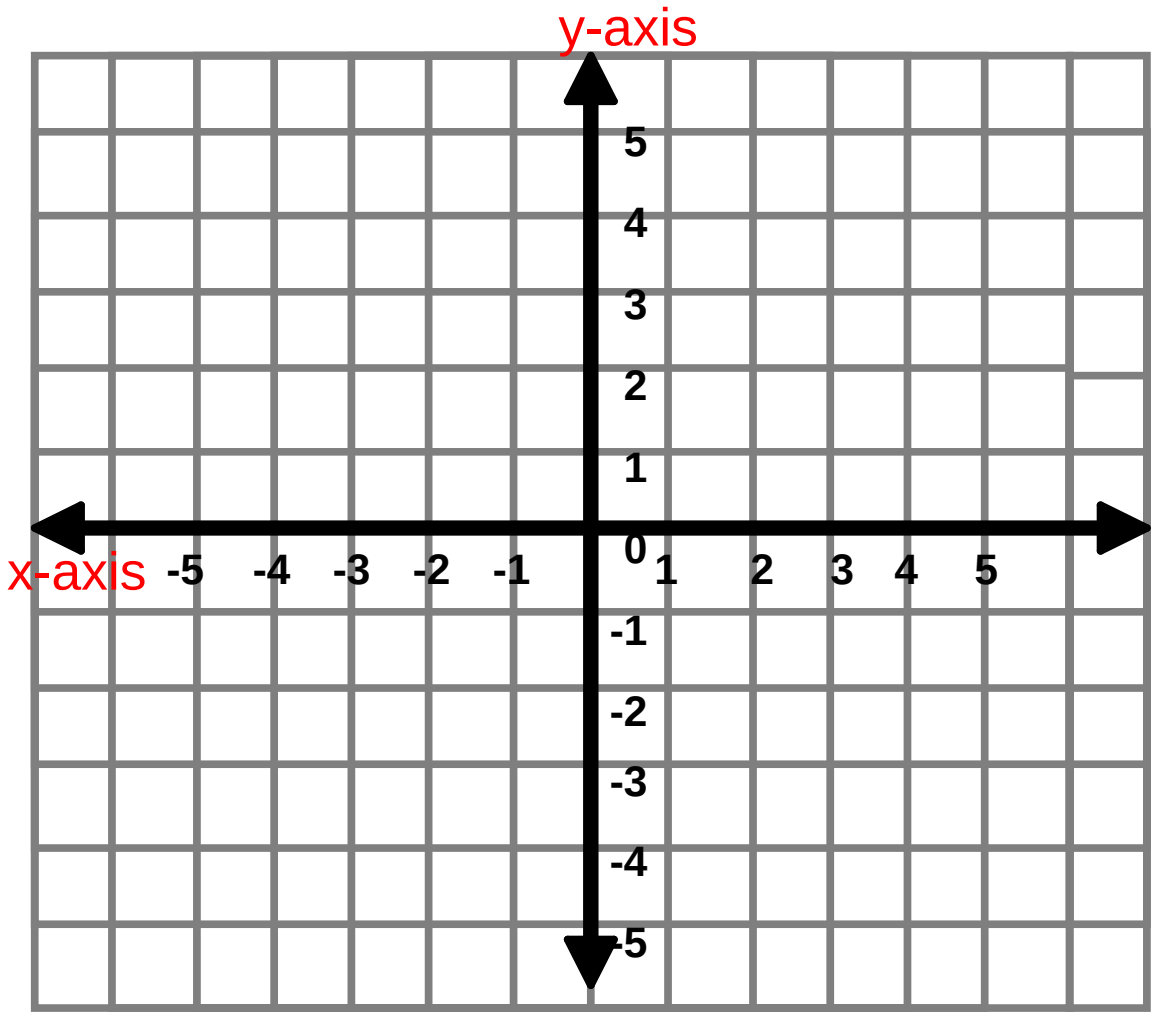
x	y



Graphing Horizontal and Vertical Lines

13) $y = -3$

x	y



Graphing Horizontal and Vertical Lines

14) $x = -5$

x	y