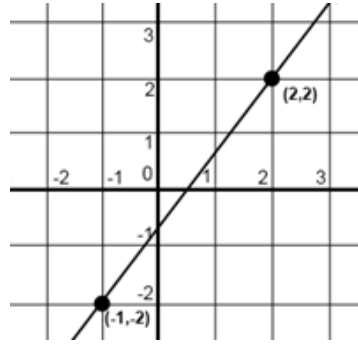


Chapter 4 Introduction - Slope and Graphing Review

I. Find the slope using the points on a graph.



II. Find the slope using two points.

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

a. (2,3), (4,-6)

b. (-2,-3), (-4,-6)

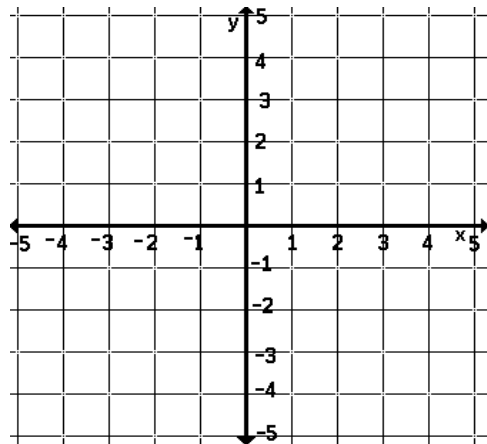
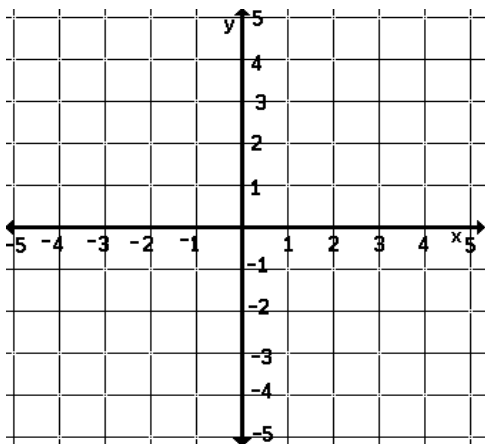
III. Find the rate of change from the data table.

# of days	Charge
1	\$10.00
2	\$20.00
5	\$50.00

IV. Write an equation in slope-intercept to find the slope and y-intercept. Then, graph it. You may have to rearrange and simplify the equation!

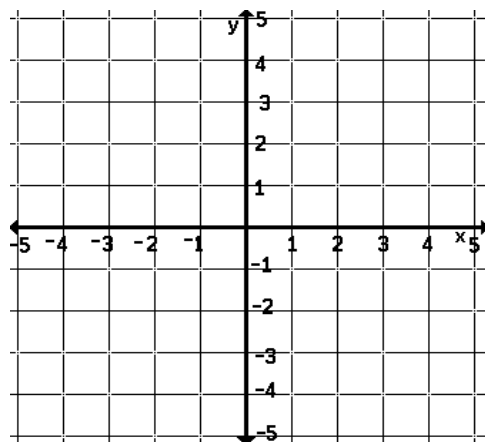
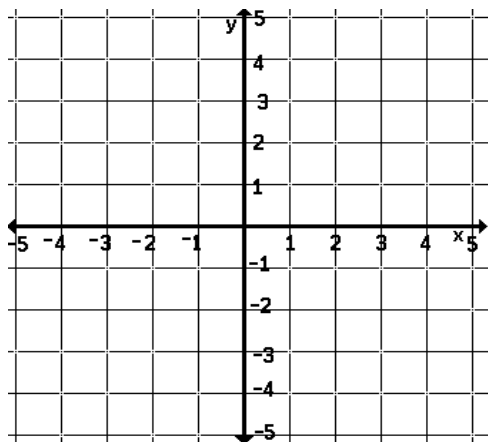
1. $\frac{1}{2}x + y = 2$ $m = \underline{\hspace{1cm}}$ $b = \underline{\hspace{1cm}}$

2. $-2y = 2(4 - 3x)$ $m = \underline{\hspace{1cm}}$ $b = \underline{\hspace{1cm}}$



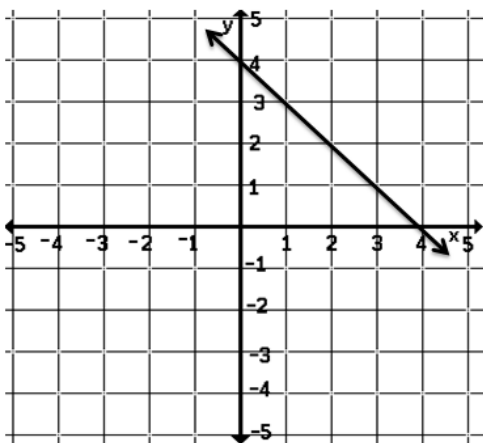
3. $2y - 6 = 3x$ $m = \underline{\hspace{1cm}}$ $b = \underline{\hspace{1cm}}$

4. $4x + 3y = 2x - 1$ $m = \underline{\hspace{1cm}}$ $b = \underline{\hspace{1cm}}$

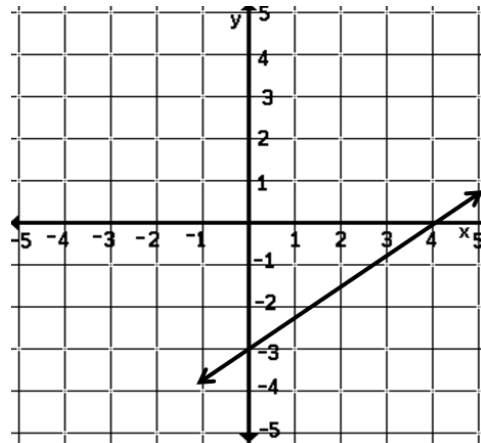


V. Write an equation in slope-intercept form using the graph.

a)

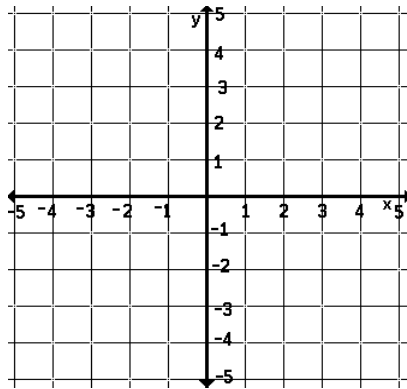


b)



VI. Equations of Horizontal and Vertical Lines

VII. Graph the lines $y = -4$ and $x = 2$.



VIII. Point Slope Form:

- Write an equation in slope-intercept form for the line that contains the point $(5, 4)$ and has a slope of 2.
- Write an equation in slope-intercept form for the line that contains the point $(1, -6)$ and has a slope of -3 .

- c. Write an equation in slope-intercept form for the line that contains the point $(-4, 4)$ and has a slope of $\frac{1}{2}$.
- d. Write an equation in slope-intercept form for the line that contains the points $(2, 4)$ and $(-2, 6)$.
- e. Write an equation in slope-intercept form for the line that contains the points $(-3, -2)$ and $(-4, 1)$.
- f. Write an equation in slope-intercept form for the line that contains the points $(2, -4)$ and $(0, 6)$.