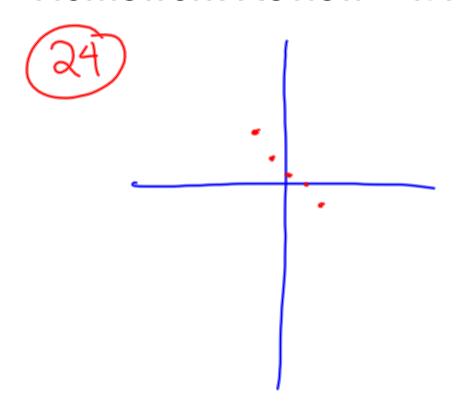
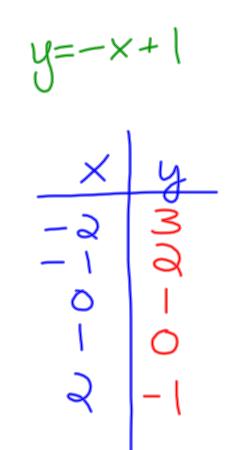
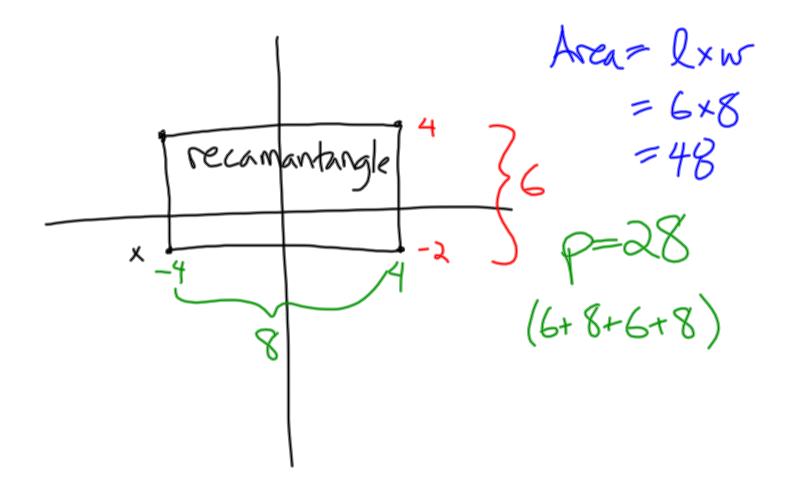
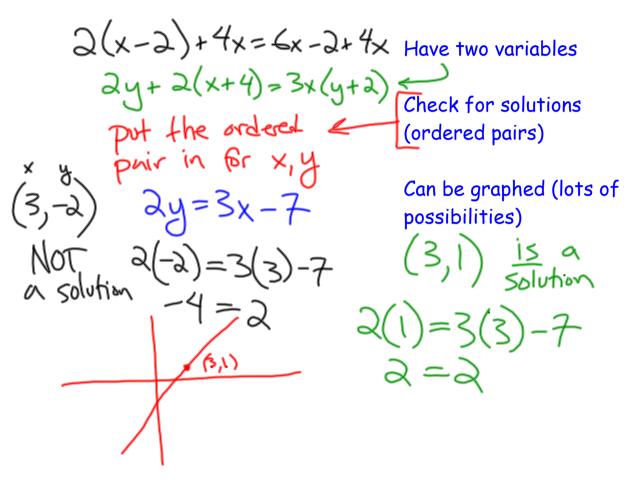
Homework Review - 4.1



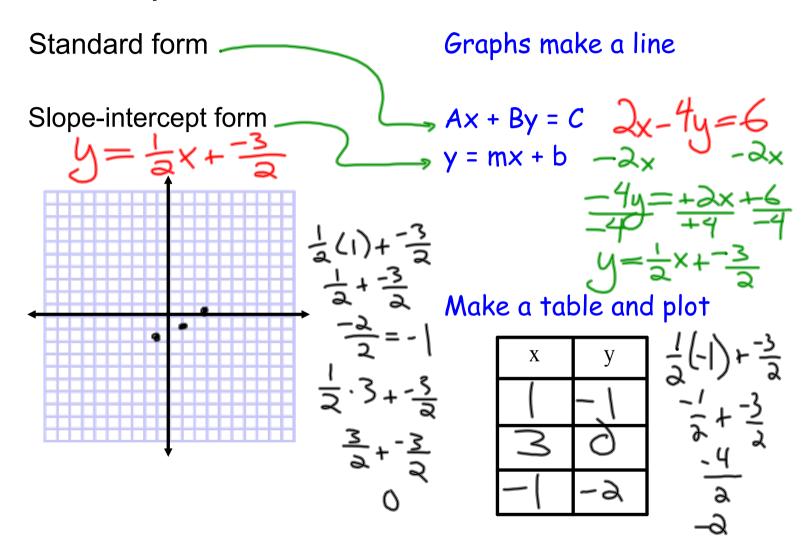




Equations in Two Variables



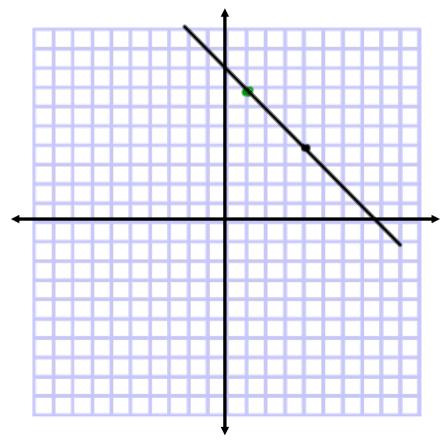
Linear Equations



$$\frac{6}{-2x}$$

 $-2x+6$

Steps for Graphing:

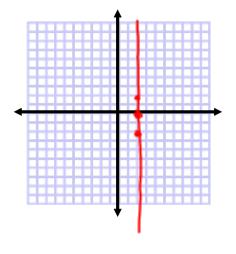


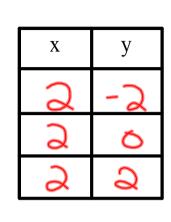
$$y - 8 = -x$$

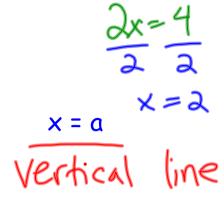
- 1. Solve the equation for y
- 2. Make a table of x and y values
- 3. Pick two random x values and solve for y
- 4. Graph the coordinates on a plane
- 5. Connect the points with a line

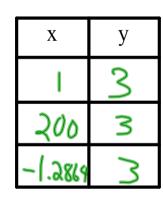
X	у
	7
8	6
4	J

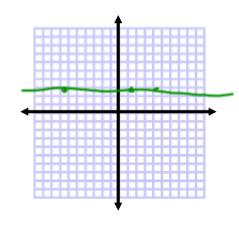
Horizontal and Vertical Lines











y = b Ay = 9 Ay

6x - 3y = 9; domain: x < 1 -6x - 4x -3y = -6x + 9 -3 = -3 - 3 y = 2x + -3

Bicycle Rental A bicycle rental shop rents bicycles for \$8 per hour. The total cost c (in dollars) for renting a bicycle h hours is given by the function c = 8h. Once you get to the rental shop, you figure you can rent a bicycle for at most 5 hours. Graph the function and identify its domain and range. What is the most that you will pay for renting the bicycle?

Write the information
you know (numbers (
and words)

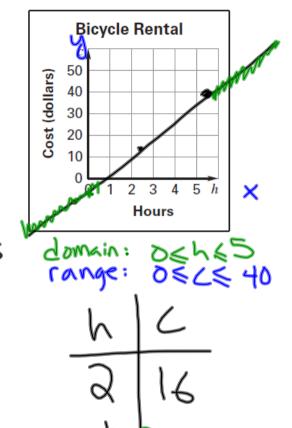
· cost is 8/h-

(2) What's the variable?

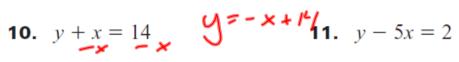
 $\cdot N = hours$

3) Set up and solve the resulting equation

y=8x C=8.h C=8.5

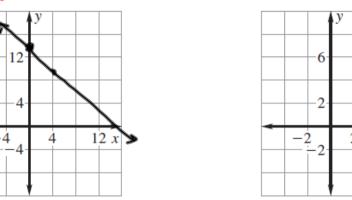


10.
$$y + x = 14$$

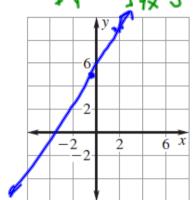


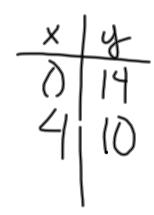
$$y - 5x = 2$$

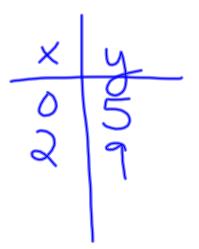
6 x



12.
$$2y - 4x = 10$$







Homework:

p. 219; 4-16 by 4, 26, 36, 38