Math 8R

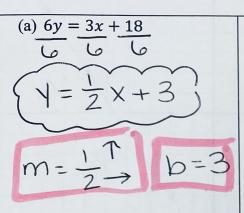
Unit 6: Linear Equations

6-4 Graphing Equations in Slope-Intercept Form

Learning Target: I can graph a linear equation using slope-intercept form.

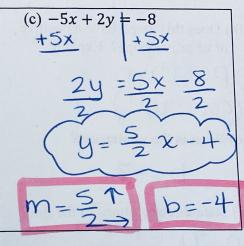
y=mx+b

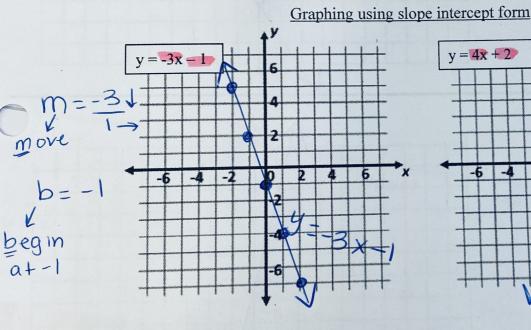
Warm Up: Re-write the following equations in slope-intercept form. Then, identify the slope and y-intercept.

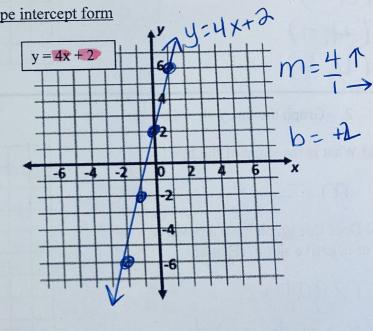


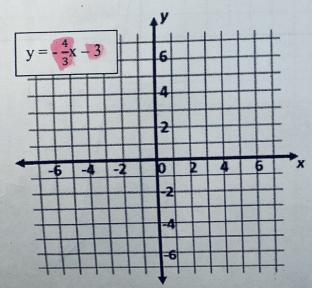
(b)
$$4y + 12x = -4$$

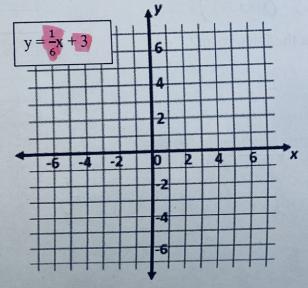
 $-12x - 12x$
 $4y = -12x - 4$
 $4y = -3x - 1$
 $4y = -3x - 1$
 $4y = -3x - 1$











Problem Set:

- 1. Graph the line $y = \frac{3}{2}x 7$
- (a) What is the slope of the line?

$$m = \frac{rise}{run} = \frac{3}{2} \uparrow$$

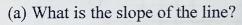
(b) Does this graph have a positive or negative slope? Explain

(c) What is the y-intercept?

(d) State three solutions to the line points

$$(0, -7)$$

Graph the line y = -4x + 4



$$m = \frac{-4}{1}$$

(b) Does this graph have a positive or negative slope? Explain

(c) What is the y-intercept?

(d) State three solutions to the line
$$POINTJ$$

$$(0, +) (1, 0) (2, -+)$$

