

Your name \_\_\_\_\_

Assignment # 4 Points 15

Tech Math Off-site Instruction Packet Cover Page (Periods 1,2,4)

Students, You can contact me with questions or just to say hi.

Email: [LEWISJU@mwood.cc](mailto:LEWISJU@mwood.cc) (Put your name in the subject line so I know who you are!!). I will be checking mail multiple times each day.

Topic of this assignment: Review Chapter 16

What you need to know:  $y = mx + b$   $m = \frac{y_2 - y_1}{x_2 - x_1}$   
 $m = \text{slope}$   $b = y\text{-intercept}$

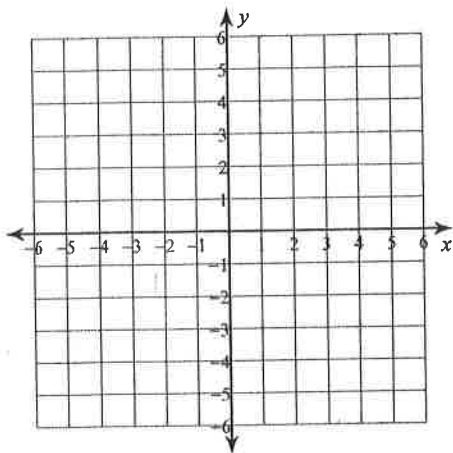
What you need to do: Complete the packet.

Suggested Youtube/Google search: "Linear equations"  
"graph a line"

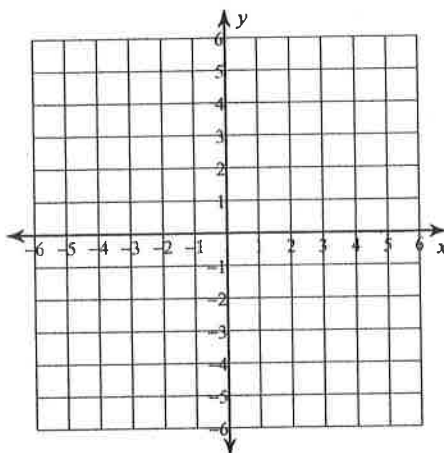
# Chapter 16 Review

Sketch the graph of each line.

1)  $y = -\frac{4}{3}x + 3$



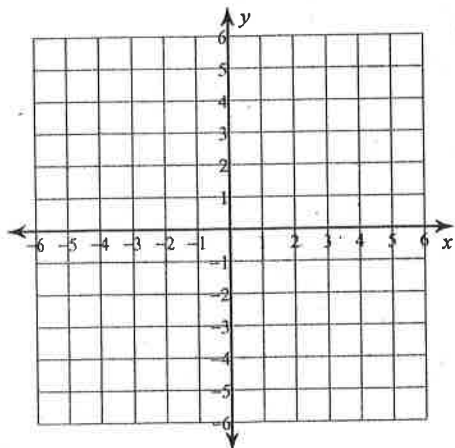
2)  $x = -2$



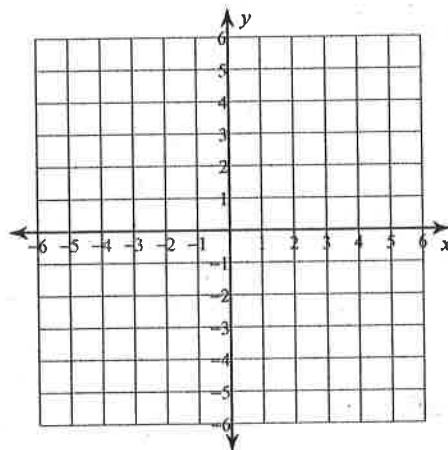
Hint:

$$\begin{array}{r|l} x & y \\ -2 & 0 \\ -2 & 1 \\ -2 & 2 \end{array}$$

3)  $0 = -4 - 4y + 3x$

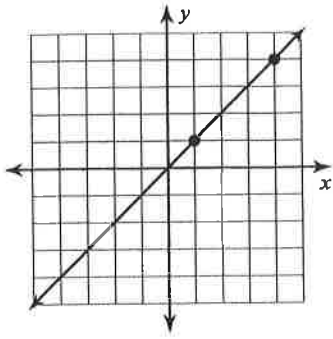


4)  $x + 1 = y$

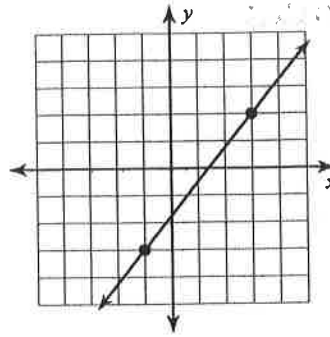


**Find the slope of each line.**

5)



6)



**Find the slope of the line through each pair of points.**

7)  $(20, -2), (16, -14)$

8)  $(-8, 6), (0, 14)$

9)  $(-5, 20), (19, -16)$

10)  $(7, 15), (2, -10)$

**Find the slope of each line.**

11)  $x - 5 = -y$

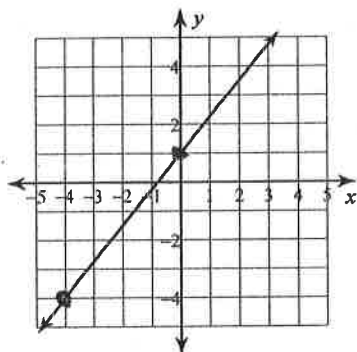
$$12) -1 = -\frac{4}{15}x - \frac{1}{3}y$$

$$13) 16 + 8y = -2x$$

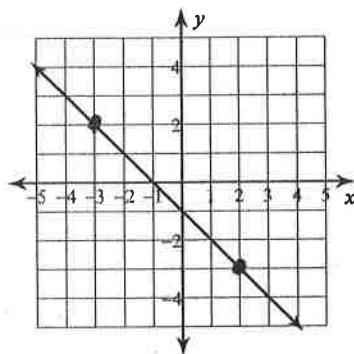
$$14) -x - 2 = 2y$$

Write the slope-intercept form of the equation of each line.

15)



16)



Write the slope-intercept form of the equation of each line given the slope and y-intercept.

17) Slope = 1, y-intercept = -3

18) Slope = -4, y-intercept = -5

19) Slope =  $-\frac{1}{5}$ , y-intercept = 2

20) Slope =  $-\frac{2}{3}$ , y-intercept = -2

**Write the slope-intercept form of the equation of each line.**

21)  $x - y = 3$

22)  $2x - 5y = -30$

23)  $10x - 7y = -25$

24)  $4x + y = 0$

25)  $x - 8y = -40$