Mrs_Lewis_Tech Math A_ Period 4 Offsite_Learning_Packet_Day 4

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 (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 = slope b = y-intercept

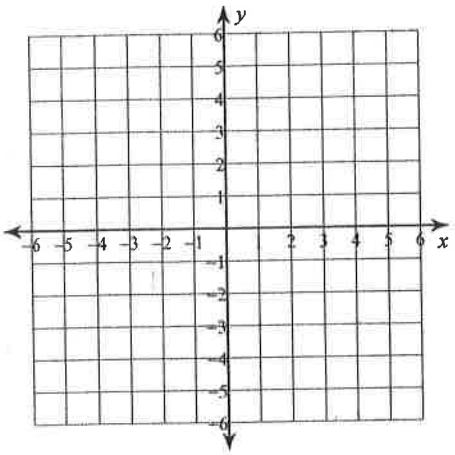
What you need to do: Complete the packet

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

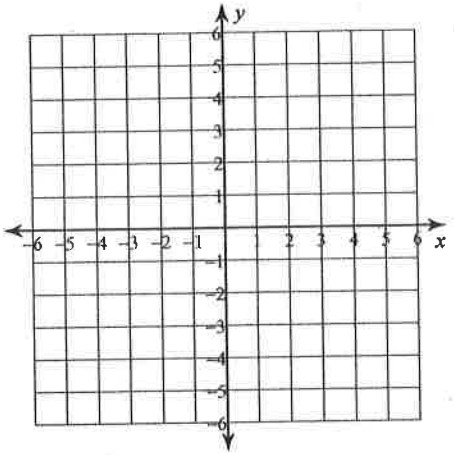
Chapter 16 Review

Sketch the graph of each line.

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



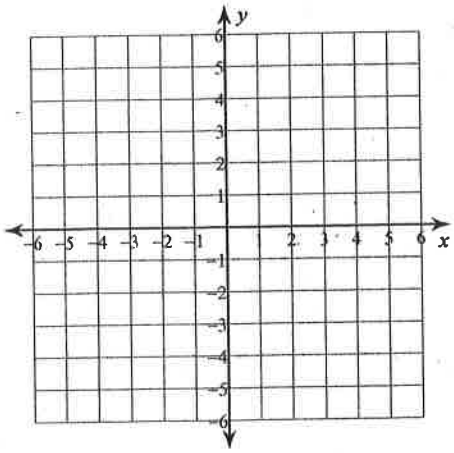
2) $x = -2$



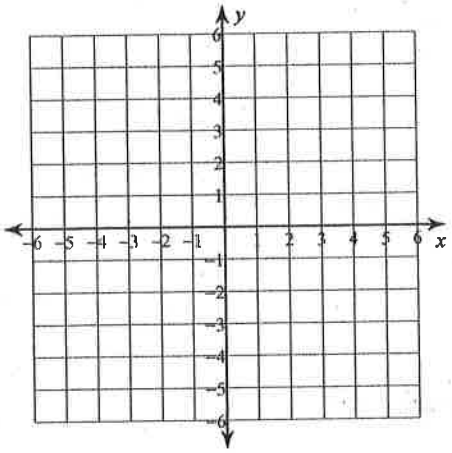
Hint:

x	y
-2	0
-2	1
-2	2

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



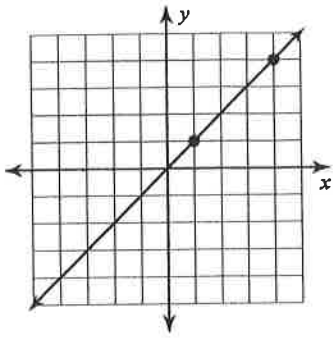
4) $x + 1 = y$



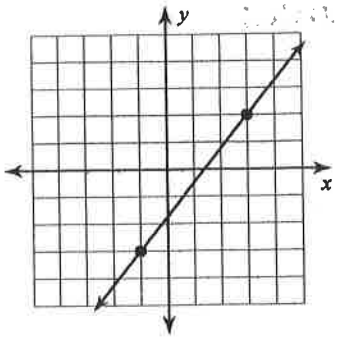
4

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) $x - 5 = -y$

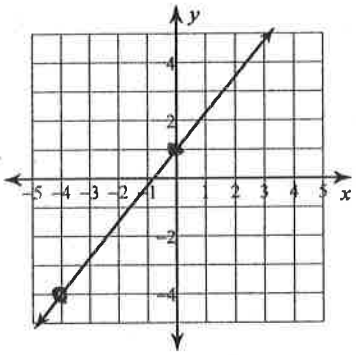
12) $-1 = -\frac{4}{15}x - \frac{1}{3}y$

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

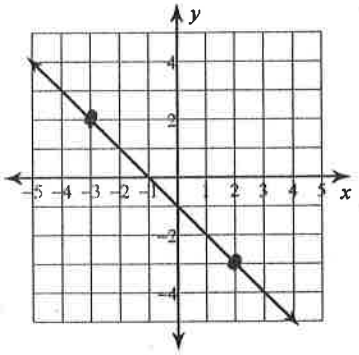
14) $-x - 2 = 2y$

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) $x - 8y = -40$