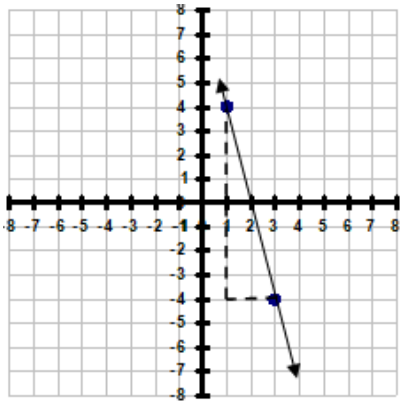
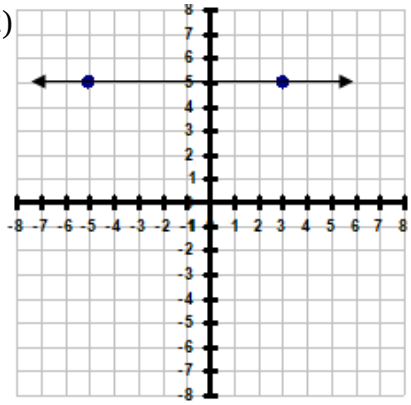
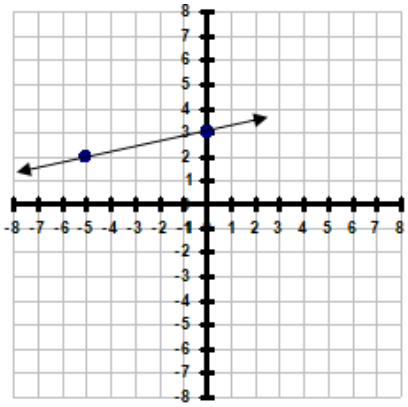
Ch 2 Calendar		
Date	**Day**	**Assignment (Due Next Class)**
9/13/22 (A) 9/14/22 (B)	Tuesday Wednesday	• **Ch 1 Test in class** • No HW 😊
9/15/22 (A) 9/16/22 (B)	Thursday Friday	• 2.1 Wk
9/19/22 (A) 9/20/22 (B)	Monday Tuesday	• 2.2 Wk
9/21/22 (A) 9/22/22 (B)	Wednesday Thursday	• 2.3 Wk
9/23/22 (A) 9/26/22 (B)	Friday Monday	• 2.4 Wk
9/27/22 (A) 9/28/22 (B)	Tuesday Wednesday	• Ch 2 Review Worksheet
9/29/22 (A) 9/30/22 (B)	Thursday Friday	• **Ch 2 Test in class** • No HW! 😊 **Enjoy your break!**
10/10/22 (A) 10/11/22 (B)	Monday Tuesday	• 2.5 Wk (not on Ch 2 Test)

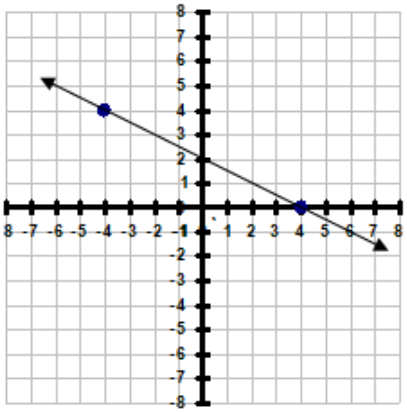
2.1 Worksheet **Name**_____

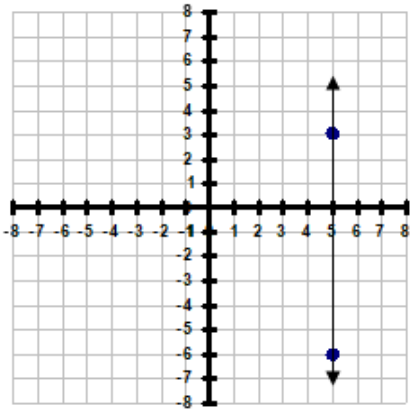
For #1 – 6: Find the slope of each line below. Write your answers in simplest form.

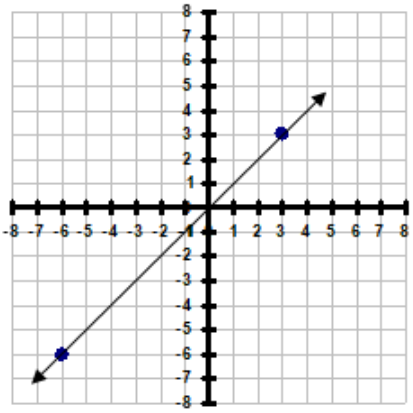
1) 

2) 

3) 

4) 

5) 

6) 

For #7 – 12: Find the slope of the line between the given points.

7) (10, 2) and (13, 9)

8) (4, 0) and (-2, 0)

9) (5, 2) and (8, -1)

10) (-4, 3) and (2, 1)

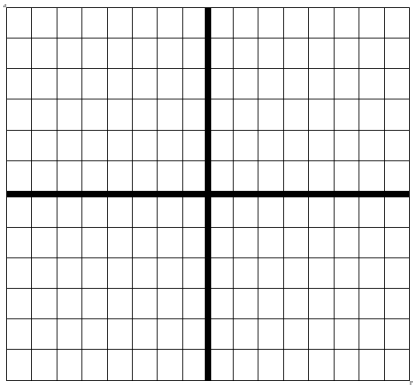
11) (5, 12) and (3, 12)

12) (4, 2) and (1, 0)

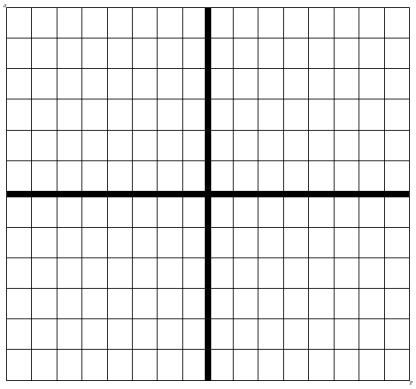
More on the back!

2.1 Worksheet, continued…

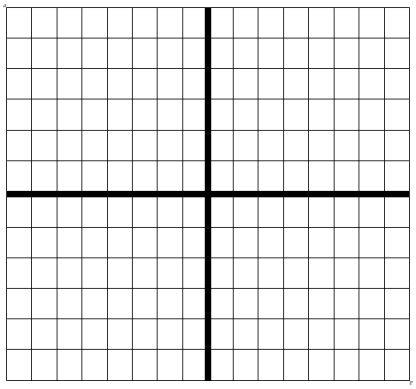
13) Draw a line that goes through the point $(-1, 3)$ and has a slope of 3.



14) Draw a line that goes through the point $(-2, 4)$ and has a slope of $-\frac{2}{5}$.



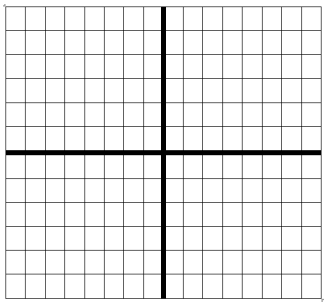
15) Draw a line that goes through the point $(1, -1)$ and has a slope of 0.



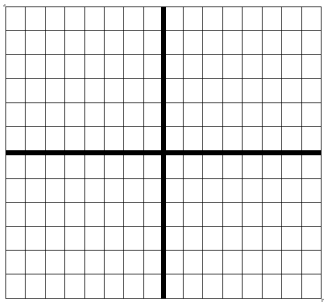
2.2 Worksheet **Name**_____

Directions: Graph each line on the provided coordinate system.

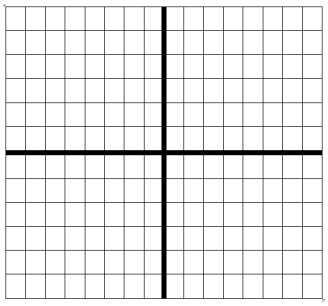
1) $y = 2x + -3$



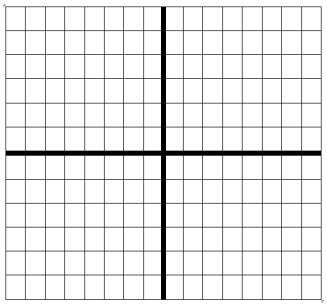
2) $y = -2x + 6$



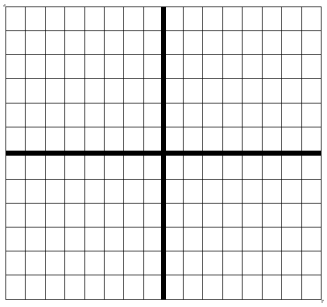
3) $y = \frac{3}{4}x - 4$



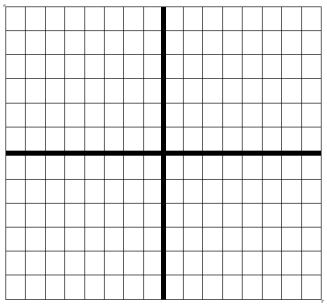
4) $y = -\frac{2}{3}x$



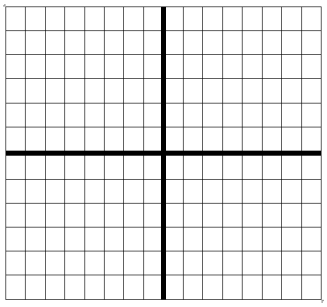
5) $y = -3x + 2$



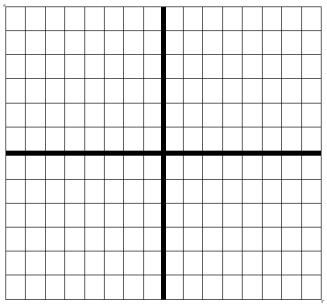
6) $y = 4x + 1$



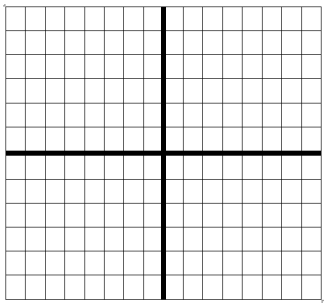
7) $y = 3 + 4x$



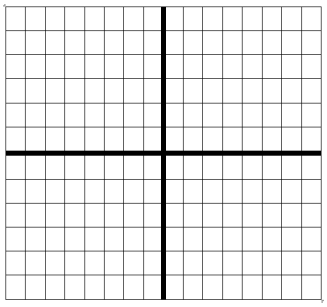
8) $y = \frac{1}{2}x - 5$



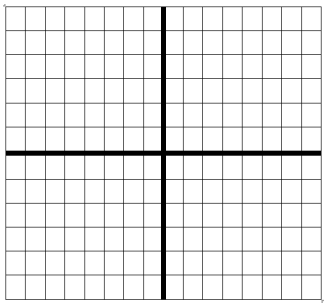
9) $y = x - 3$



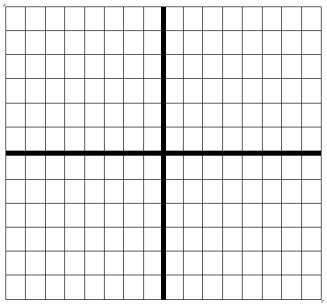
10) $y = 3x$



11) $y = x$



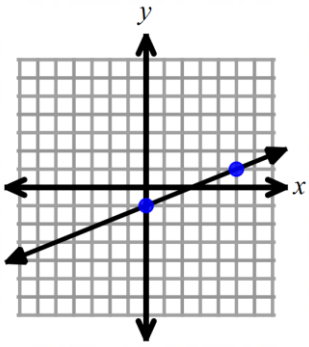
12) $y = -x + 2$

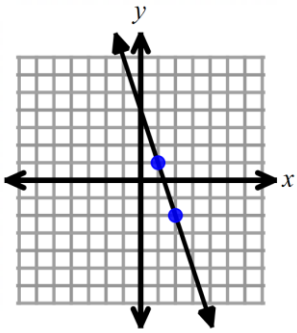


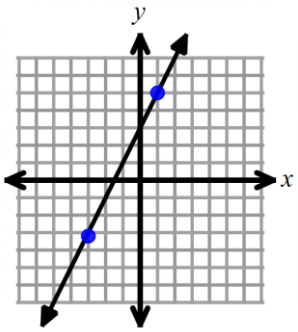
More on the back!

2.2 Wk, continued…

For #13 – 15: What is the slope for each line graphed?

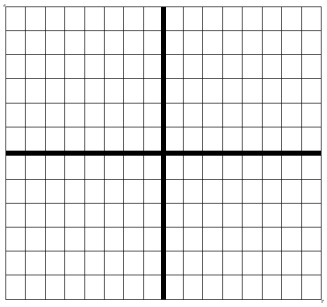
13) 

14) 

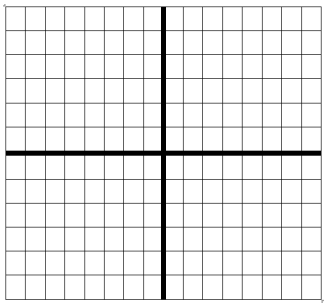
15) 

For #16 – 21, graph each line.

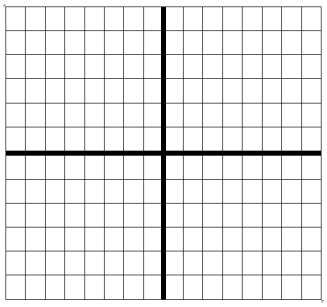
16) $y = -\frac{1}{4}x + 3$



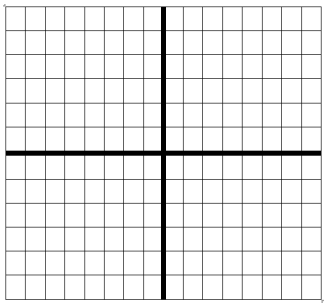
17) $y = 4x - 5$



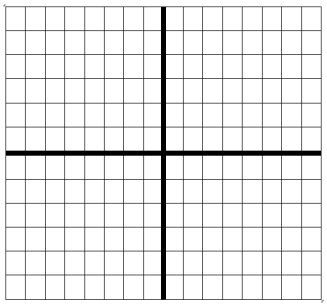
18) $y = x + 2$



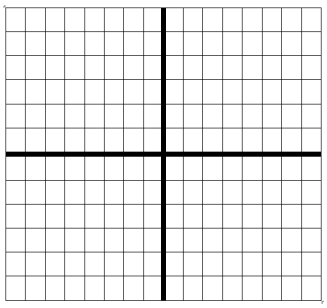
19) $y = -3x + 4$



20) $y = x + 1$



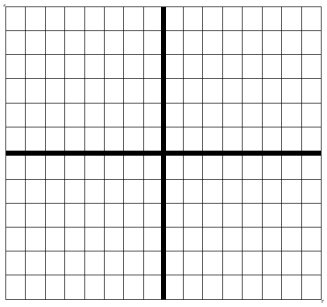
21) $y = -x$



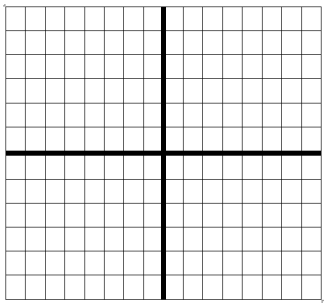
2.3 Worksheet **Name**_____

Directions: Graph each line on the coordinate system provided.

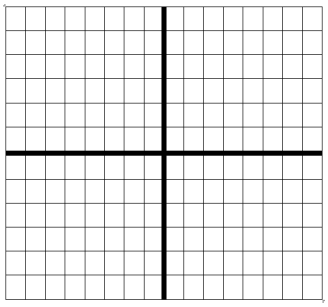
1) $y = \frac{2}{5}(x+1) - 3$



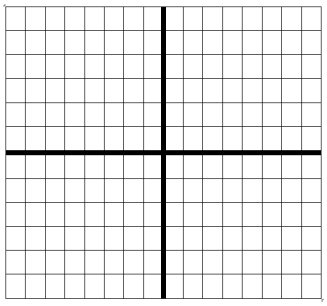
2) $y = -3(x-2) + 4$



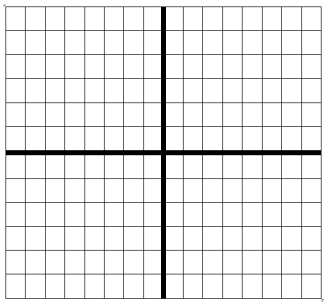
3) $y = 2(x+4)$



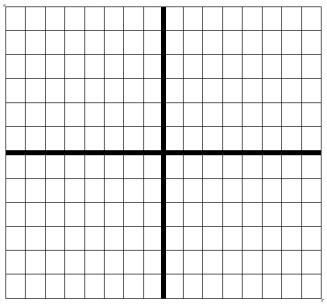
4) $y = -\frac{4}{3}(x+3) + 1$



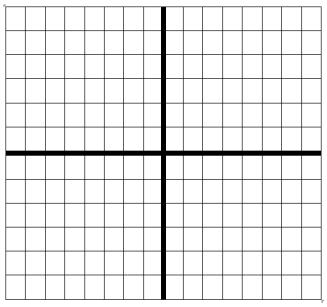
5) $y = -(x-4) - 2$



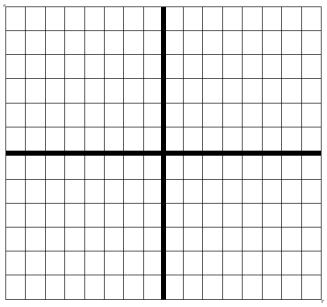
6) $y = 5(x+3) - 3$



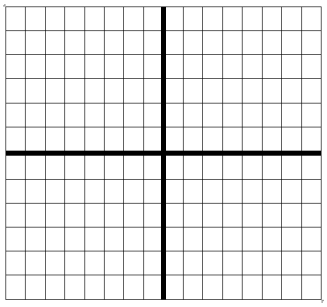
7) $y = \frac{1}{3}(x-1)$



8) $y = -\frac{7}{3}(x+4) + 5$



9) $y = -2(x+2) + 3$

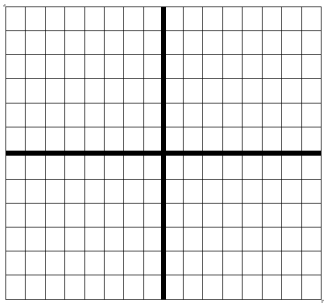


2.3 continued on the next page

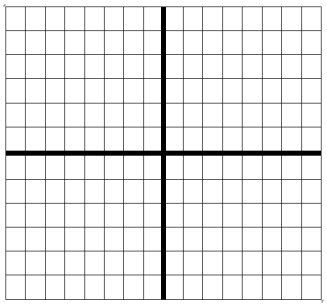
2.3 Wk, continued…

Graph each line on the coordinate system provided.

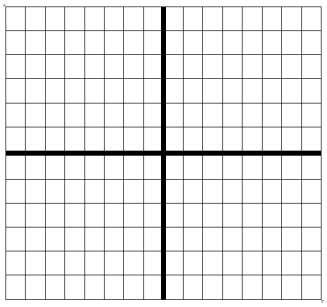
10) $y = 3x - 2$



11) $y = x - 5$

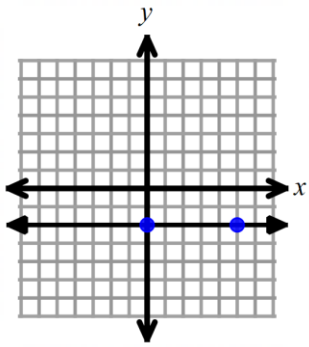


12) $y = -(x + 3)$

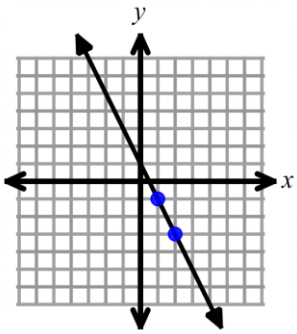


For #13 – 15: What is the slope for each line graphed?

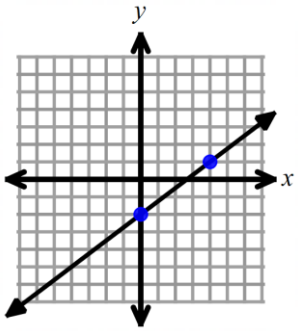
13)



14)



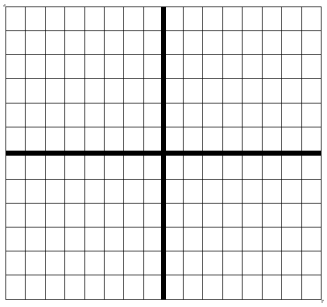
15)



For #16 – 17: Consider the equation from #12.

16) Write this line in slope-intercept form.

17) Graph this line. Is it the same as your line in #12?



2.4 Worksheet **Name**_____

For #1 – 16: Write each equation is slope-intercept form.

1) $4x + 2y = 12$

2) $-3x - 2y = 10$

3) $-5x + 4y = 16$

4) $3x - y = -10$

5) $6x - 7y = 14$

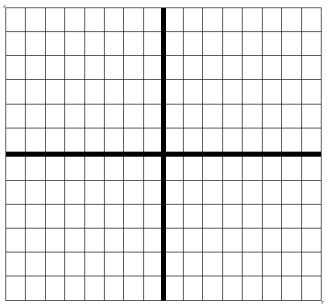
6) $-x + 5y = -20$

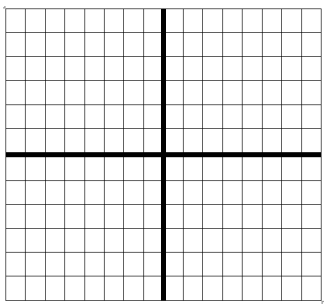
For #7 – 9: Write each equation in slope-intercept form, and then graph the line.

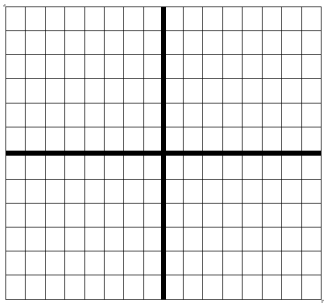
7) $4x - 2y = 4$

8) $x - y = 5$

9) $3x + 4y = 8$





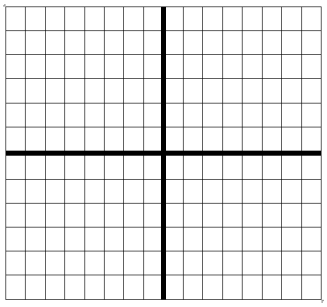


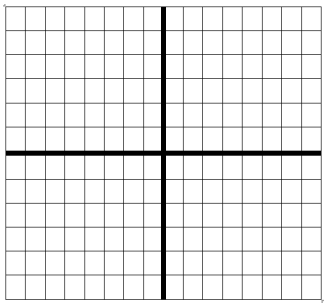
2.4 continued on the next page

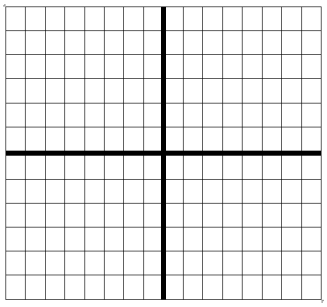
2.4 Wk, continued…

For #10 – 12: Write each equation in slope-intercept form, and then graph the line.

10) $-x + 3y = -6$ 11) $4x + 4y = 0$ 12) $x - 3y = -3$







Ch 2 Review Worksheet **Name**_____

For #1 – 3: find the slope of the line containing the given points. Write answers as simplified fractions, if needed.

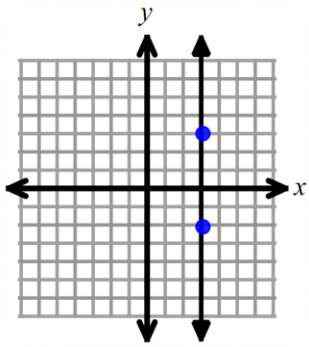
1) $(3, 5)$ and $(5, 1)$

2) $(-7, 2)$ and $(5, 4)$

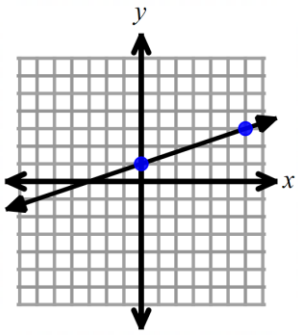
3) $(-3, 1)$ and $(-1, -7)$

For #4 – 6, find the slope of the graphed line. Write answers as simplified fractions, if needed.

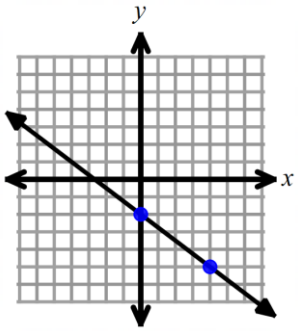
4)



5)

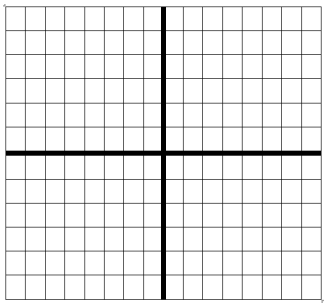


6)

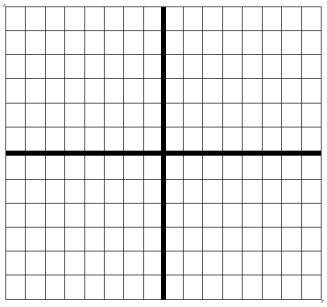


For #7 – 12, graph each line on the provided coordinate system.

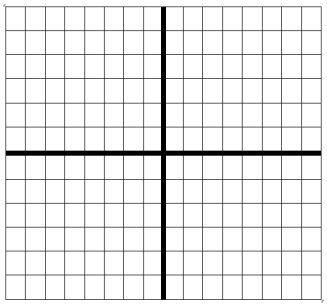
7) $y = -\frac{3}{4}x + 2$



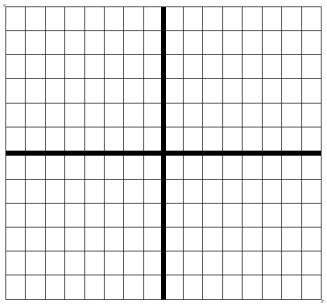
8) $y = 2x - 3$



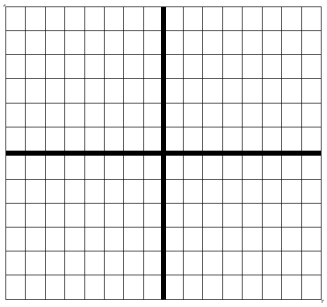
9) $y = x + 4$



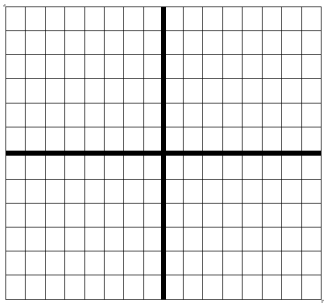
10) $y = -3x + 1$



11) $y = x - 4$



12) $y = -x$

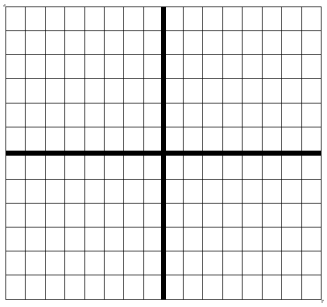


More on the next page!

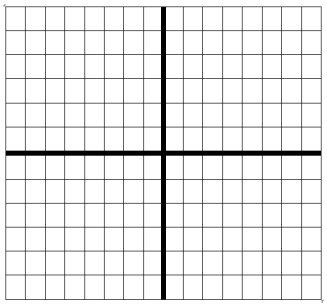
Ch 2 Review Work, continued…

For #13 – 18, graph each line on the provided coordinate system.

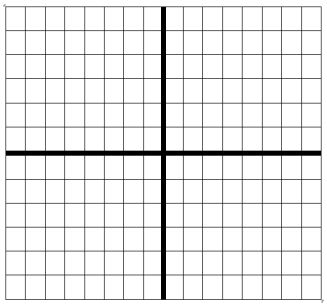
13) $y = 3(x - 1) + 2$



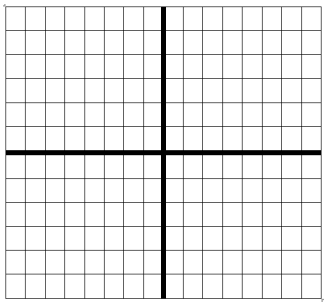
14) $y = -\frac{2}{5}(x - 2) + 1$



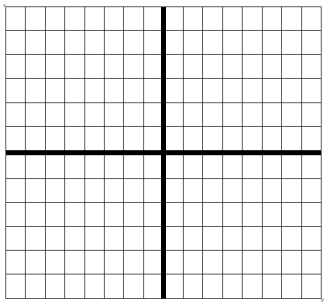
15) $y = -(x + 3) - 2$



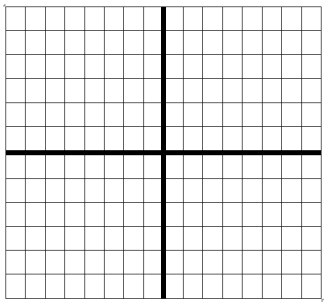
16) $y = -2(x + 4)$



17) $y = \frac{1}{4}(x + 2) - 3$

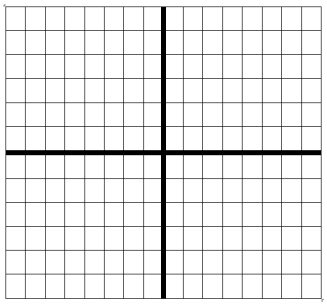


18) $y = \frac{3}{2}(x - 1) + 1$

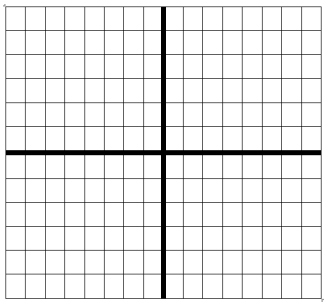


For #19 – 21, write each line in slope-intercept form. Then graph each line.

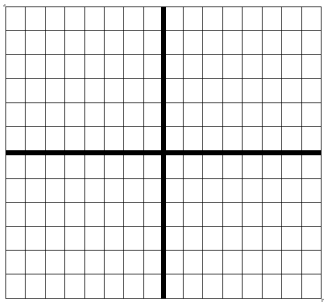
19) $3x + 2y = -6$



20) $-2x - y = 4$



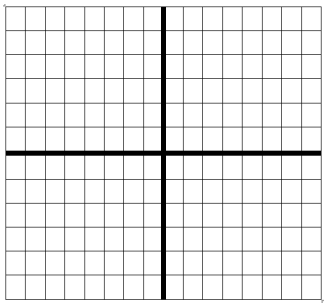
21) $x + 4y = 8$



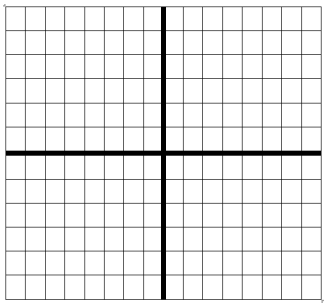
2.5 Worksheet: Show all work!

For #1 – 6: Graph each special line on the provided coordinate system.

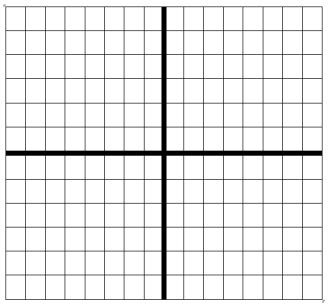
1) $y = -2$



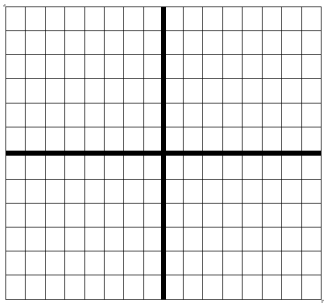
2) $x = 4$



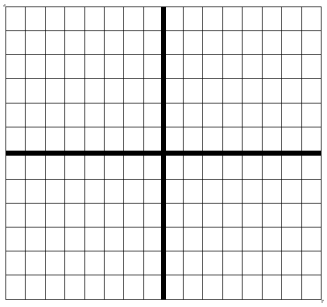
3) $x = -1$



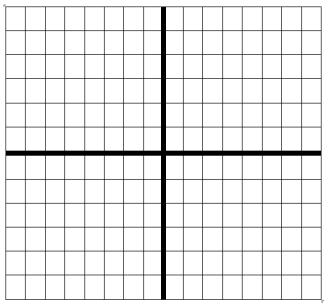
4) $y = 5$



5) $y = 0$

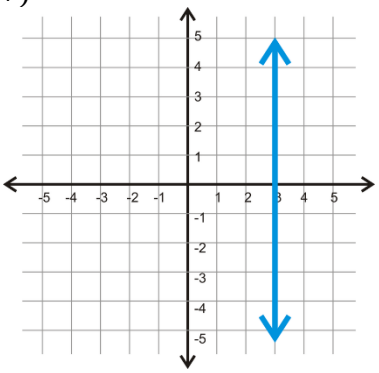


6) $x = -3$

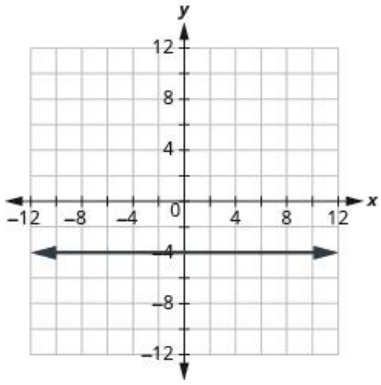


For #7 – 9: Write the equation of the special line graphed.

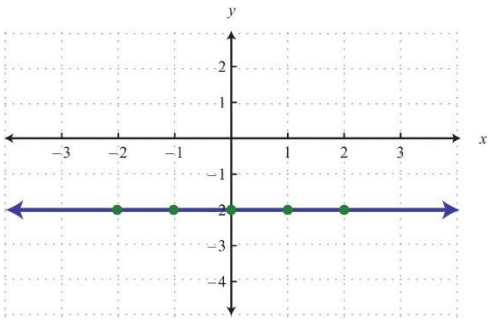
7)



8)



9)



10) How do you know if an equation of a line is a horizontal line?

11) How do you know if an equation of a line is a vertical line?

12) How do you know if an equation of a line is a slanted line?