Name: _____

Homework – Monday (January 7, 2019)

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

1. Write the slope-intercept form of a line given the points (0, 4) and (-1, 3).

2. Compare the two linear functions. Which function has a smaller y-intercept? Explain.

   A. $y = -3/2x + 3$ B. $y = 3/4 - 2$

3. Compare the two linear functions. Which function has a greater slope? Explain.

   A. $y = 1/3x + 3$ B.

x	y
3	12
6	21
9	30

4. What is the slope of the line that passes through the points (3,5) and (-2,2)?

Homework- Tuesday (January 8, 2019)

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

1. Compare the two linear functions. Which function decreases faster? Explain.

   A. $y = -2x - 2$ B.

x	y
1	16
3	12
5	8

2. Write the linear equation of the table.

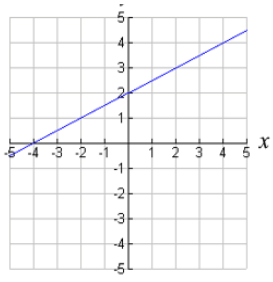
x	y
-4	-5
0	-2
4	1

3. Compare the two linear functions. Which function has a greater slope? Explain.

   A. $y = -6x - 2$ B. $y = 6x - 5$

4. Compare the two linear functions. Which function increases faster? Explain.

   A. $y = 2x + 5$ B.



Homework - Wednesday (January 9, 2019)

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

1. Compare the two linear functions. Which function has as steeper slope? Explain.

A. $y = 1/6x - 3$

B.

x	y
-4	-5
0	-2
4	1

2. Compare the two linear functions. Which function has as steeper slope? Explain.

A. $-3x + y = 4$

B.

x	y
0	3
1	7
2	11

3. In a linear equation, the independent variable increases at a constant rate while the dependent variable increases at a constant rate. The slope of this line is ___. Draw a picture to defend your response.

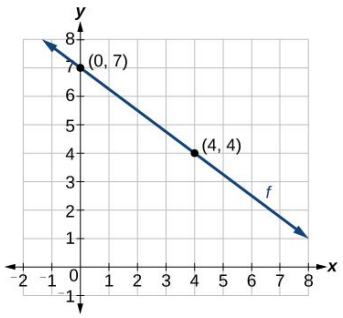
a. zero
b. negative
c. positive
d. undefined

4. Write the slope-intercept form of a line passing through the points (-2,4) and (3,6)?

Homework - Thursday (January 10, 2019)

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

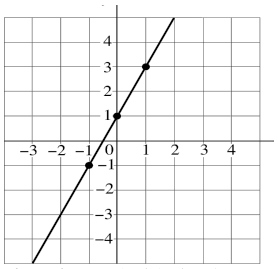
1. Write the linear equation of the graph.



2. Compare the two functions. Which function has a greater y-intercept? Explain.

A. $y = 10/3 - 2/3x$

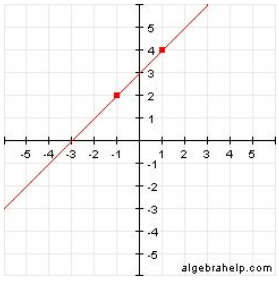
B.



3. Compare the two linear functions. Which function has a greater slope? Explain.

A. $y = 2x + 5$

B.



4. Write the equation of a line passing through the point (-2,5) with the slope -1.