

Name: _____
 Period _____

Date: _____
 Henderson – Math 8

Homework for Week 7

Monday: HW#7A

1.) $-8x + 4 = 6x - 20 + 2x$

2.) $\frac{x}{3} - 5 = -2$

3.) $3.6(x + 4) = -3.6x$

4.) $\frac{3}{5}x - 15 = \frac{6}{5}x + 12$

5.) $3(6 - 4x) = -2(6x - 9)$

Tuesday: HW#7B

Identify the rate of change (slope) and y-intercept from the given linear equations.

6.) $y = 4 - 3x$

7.) $5y = 10x - 15$

8.) $3y = 2x - 9$

slope: _____

rate of change: _____

rate of change: _____

y-intercept _____

y-intercept _____

y-intercept _____

Describe in words how to find the y-intercept when all you are given is the linear equation.

Write the equation of the line containing the following rate of change (slope) and y-intercept.

9.) slope: 3

10.) y-int: -2

11.) $m = \frac{-1}{3}$

y-intercept = -8

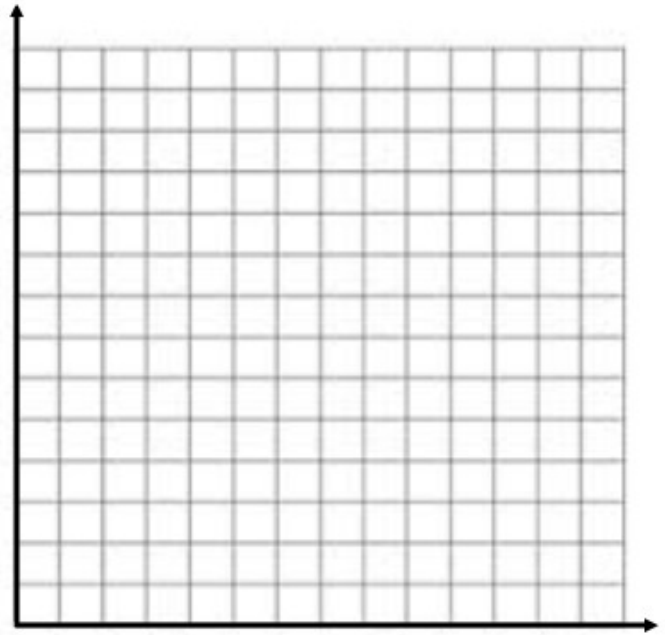
slope = 4

b = -9

Wednesday: #7C

12.) Construct and label a line graph from the data table:

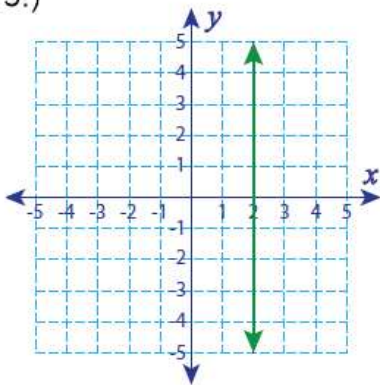
Time in Minutes	Height of the Elevator
10	300
15	450
20	600
30	900



Thursday: HW#7D

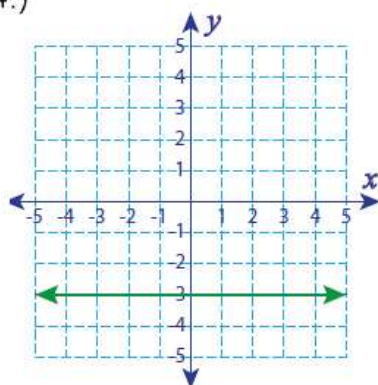
Choose the correct equation to match the graph shown:

13.)



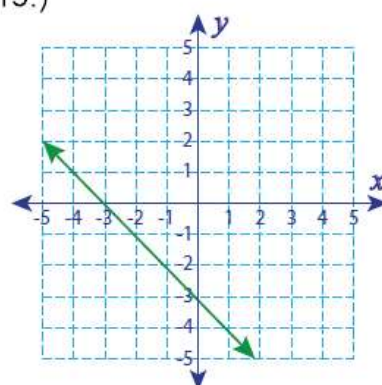
- a.) $y = 2$
- b.) $x = 2$
- c.) $y = x$

14.)



- a.) $y = -3$
- b.) $x = -3$
- c.) $y = -3x - 3$

15.)



- a.) $y = -3$
- b.) $y = -x - 3$
- c.) $y = -x + 3$