

Name: _____
 Period _____

Date: _____
 Henderson – Math 8

Homework for Week 18

Monday: HW#18A

Find the slope from the points given: (show your mathematical steps). Slope = $\frac{y_2 - y_1}{x_2 - x_1}$

1.) (- 5, 6) (-8, 8)

2.) (2 , 6) (2, 4)

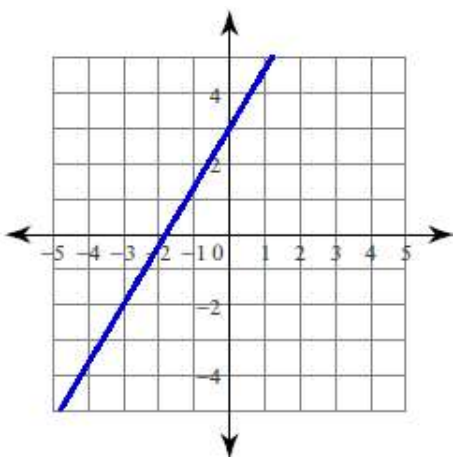
3.) (-2, 6) (5, 6)

4.) (-6 , 5) (7, 3)

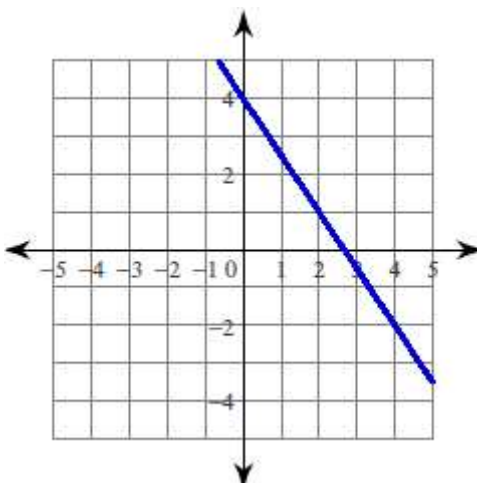
Tuesday: HW# 18B

Write the equation of the line shown in the graph in slope-intercept form: $y = mx + b$.

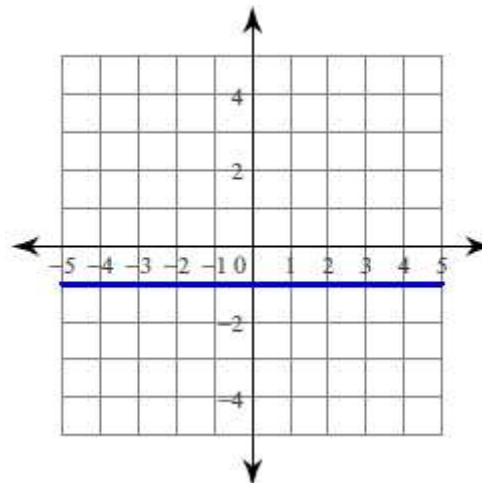
5.)



6.)



7.)



Solve the following equations:

8.) $10 = \frac{g}{3} + 2$

9.) $4 - 8y = -36$

10.) $13 - \frac{1}{5}p = -7$

Wednesday: HW# 18C

Determine whether the equation has one solution, no solution or infinite solutions, then SOLVE

11.) $3x + 4 = 3x + 4$

12.) $2x = -14$

13.) $4x + 7 = 4x - 6$

Thursday: HW# 18D

Graph the system of equations on the same coordinate graph. Find the solution.

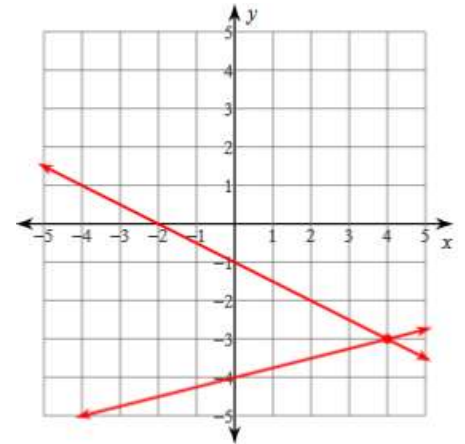
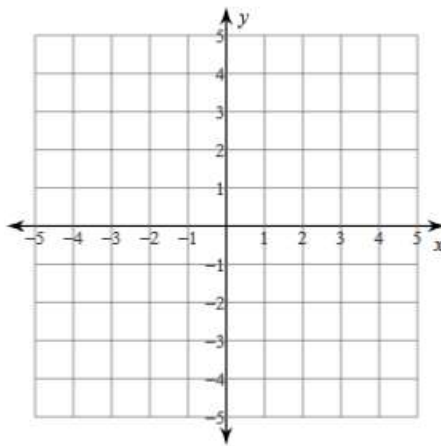
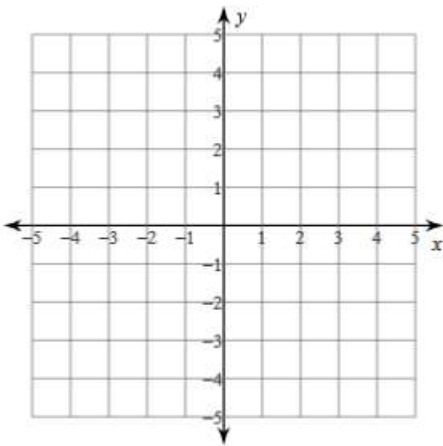
14.) $y = 4x + 3$

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

16.) Name the solution point of the system shown.

$y = -x - 2$

$y = -2x - 5$



Simplify each expression. Write using POSITIVE exponents.

17) $v^2 \cdot v^3$ _____

18) w^{-4} _____

19) a^0 _____

Compute.

20) $\sqrt{225} =$ _____

21) $\sqrt[3]{512} =$ _____

22) $15^2 =$ _____