

Name: _____
 Period _____

Date: _____
 Henderson – Math 8

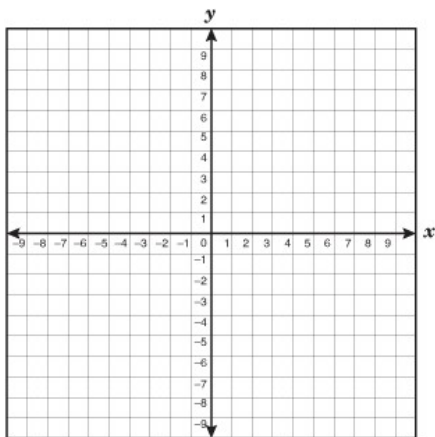
Homework for Week 11

Monday: HW# 11A (go to www.khanacademy.org or www.hendersonmath.com for review)

Graph BOTH equations on the same grid. Find the point where they intersect (solution).

1.) $y = 2x + 5$

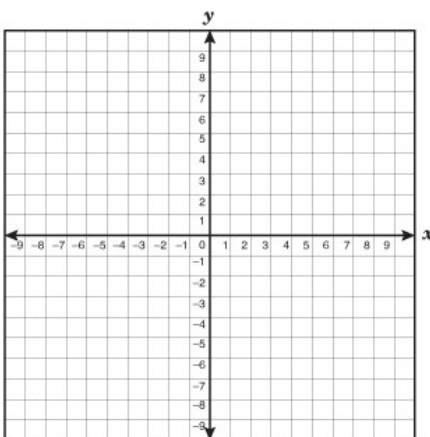
$y = x + 4$



 Intersection point

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

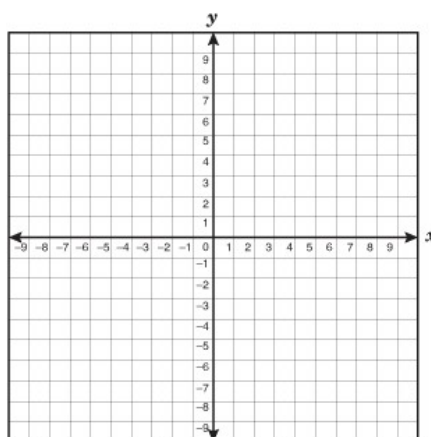
$y = \frac{1}{2}x + 3$



 Intersection point

3.) $y = 3x$

$y = -2x + 10$



 Intersection point

Tuesday: HW# 11B (go to www.khanacademy.org or www.hendersonmath.com for review)

Find the solution to equations shown

4.) $5x - 7 = 3x - 9$

5.) $2(x + 5) - 4x = 4$

6.) $2x = 14 - 5x$

State if the equation shown is linear or not linear.

7.) $y = 3x + 5$ _____

$4x - 3y = 9$ _____

8.) $y = 4x^2 - 9$ _____

$\frac{x}{5} + y = 10$ _____

9.) $y = 7$ _____

$x^3 = 9$ _____

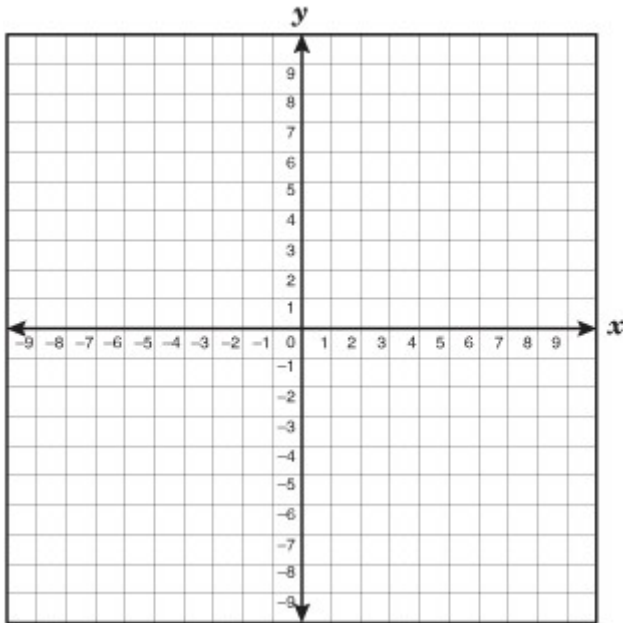
$x = y$ _____

10.) $y = \frac{2}{x} + 9$ _____

$y = \sqrt{x} + 6$ _____

Wed: HW#11C

11.) Graph the linear equation shown in the data table on the coordinate grid provided.



X	Y
-1	7
0	3
1	-1
2	-5

Write the equation of the line shown in the table
and on the graph: _____

Thursday: HW#11D (go to www.khanacademy.org or www.hendersonmath.com for review)

12.) Find the rate of change for the following data:

(5, 6) and (8, 12)

Answers

12) _____

13) _____

13.) Identify the rate of change in the following linear equation:

$$y = 3x + 8$$

14) _____

14.) Which of the following is NOT a linear equation?

a) $y = 3x + 6$

b) $y = 2x - 9$

15) _____

c) $y = x^2 + 5x + 2$

d) $2x + 5y = 12$

15.) Which of the following graphs is NOT a linear equation?

