Name: _____ Date: _____ **8**

Period ___ Henderson – Math 8

**Homework for Week 8**

## Monday: HW#8A

Solve each equation.

1.) $5x + 8 = 5x + 7$

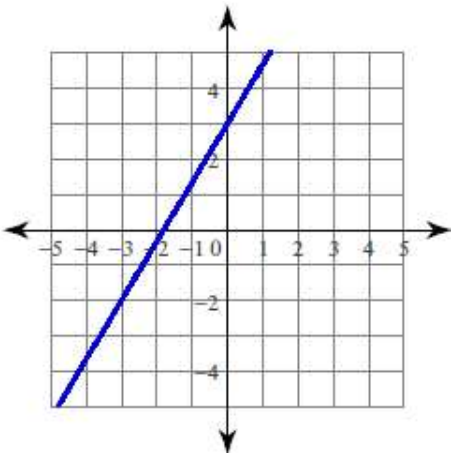
2.) $2(3m + 1) = 6 - 6m$

3. $4x - 2 + 6x = 2x + 14$

## Wednesday: HW #8B

Write the type of slope shown in the graph. (positive, negative, zero, undefined)

4.)



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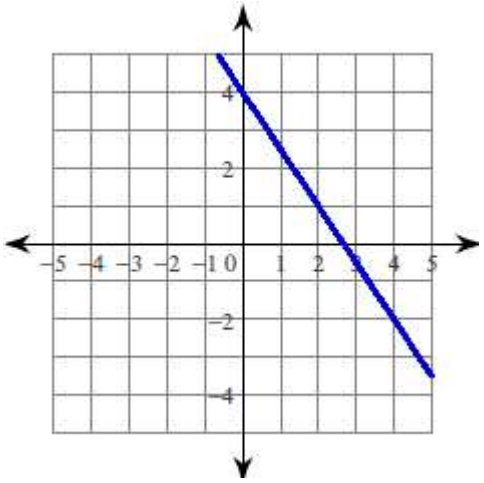
5.)



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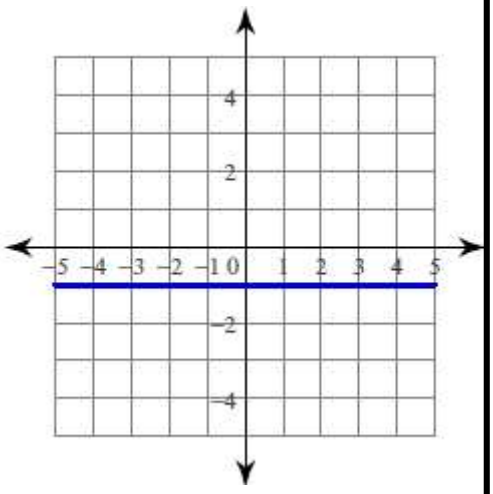
6.)



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**Identify the slope and y-intercept from the equation shown:**

7.) $y = -6x + 5$

slope _____

y-intercept _____

8.) $y = 4 + 3x$

slope _____

y-intercept _____

9.) $5x - 7 = y$

slope _____

y-intercept _____

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

slope _____

y-intercept _____

**Thursday: HW#8C**

Write the equation in slope-intercept form. ($y = mx + b$)

11. $y - 8x = 9$

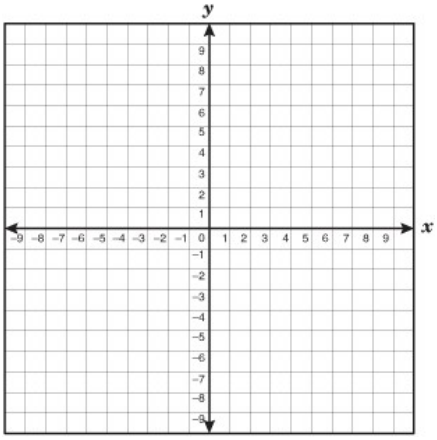
12. $2x + y = 7$

13. $4y = 12x - 16$

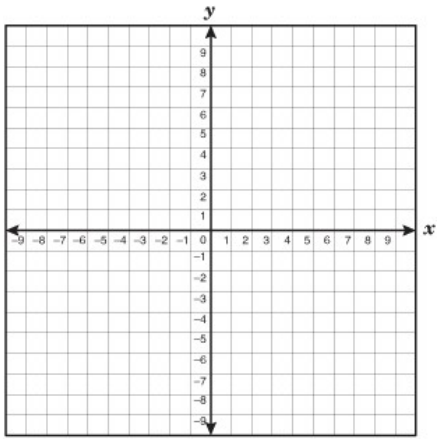
14. $3x + 4 = -2y$

Graph the equations on the coordinate graph.

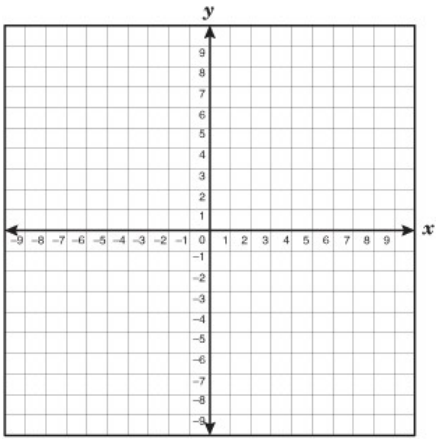
15.) $y = -2x + 3$



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



17.) $y = 3x$



**Identify the slope and y-intercept of the following equations: Write in $y = mx + b$ form FIRST!!!**

18.) $y = 2x + 5$

slope _____

y-int _____

19.) $3y = 9 - 15x$

slope _____

y-int _____

20.) $4y = 12x - 32$

slope _____

y-int _____

21.) $5x + y = -3$

slope _____

y-int _____

22.) $y + 8x = 12$

slope _____

y-int _____

23.) $-2y - 8x = 16$

slope _____

y-int _____