p. 20-21 Standard form 2.4

Warm-Up:

Solve for y:

$$+ x - 3y = 12$$

$$- X - X$$

$$-3y = -X + 12$$

$$-3 - 3$$

$$-3 - 3$$

$$-3 - 4$$

HW: What questions do you have?

Algebra 2 Homework 2.4 Slope Intercept Form Practice

Name:__

Directions: For #1 – 5, write the equation of the line with the following information:

- 1.) slope of -1 and y-intercept of 3
- 2.) slope of ½ and y-intercept of 0
- 3.) passes through the point (-5, 1) and has a slope of $-\frac{3}{5}$
- 4.) passes through the point (1, -2) and has a slope of 2
- 5.) passes through the point (-1, -3) and has a slope of 3

Directions: For #6 - 8, write the equation of and graph the line with the following information:

6.) passes through the point (2, -2) and has a slope of $-\frac{1}{2}$



7.) passes through the point (1, -5) and has a slope of -3



m = $\frac{y_2 - y_1}{y_2 - y_1}$ $M = \frac{y_2 - y_1}{y_2 - y_2}$ $M = \frac{y_2 - y_1}{y_2 - y_2}$

More practice:

pg.20

solve for y:

1.
$$3x + y = 4$$

 $-3x - 3x$
 $y = -3x + 4$

2.
$$2x + 5y = 8$$

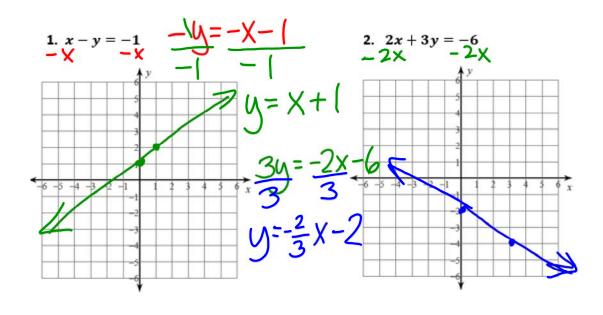
 $-2x$
 $-2x$
 $-2x$

$$3. -35x - 7y = 56$$

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

ax+by=c y=mx+b

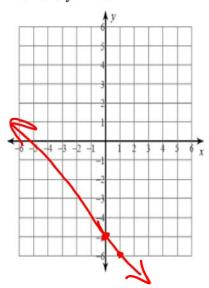
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pg.21

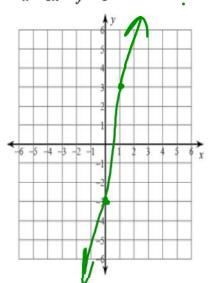
y=-x-5

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



N=67-3

4.
$$6x - y = 3$$



5) y=1

6) x=3

6) x=3

Homework assignment: Graphing lines in standard form