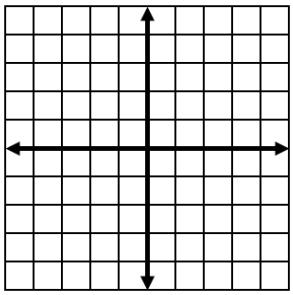
Alg 1 Week 15 Tuesday Warm Up

1. Skill 6: Convert to slope intercept form and graph

$$-5x + y = 1$$



2. Skill 7: Write the equation of the line that passes through the given points in slope intercept form.

(4,-3) & (2,3)

3. Skill 8: Write the equation of the line that is perpendicular to $2x+3y=12$ and passes through (-4,6) in slope-intercept form.

4. Skill 9: Graph the given equations on the same grid. Then find their intersection point and check to see if that intersection point is on BOTH lines.

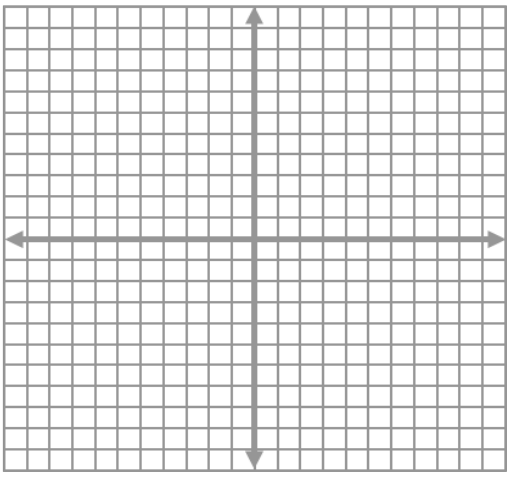
Line A: $x - y = 2$

Line B: $3y + 2x = 9$

Intersection point (,)

Check
First line:

Check
Second line:



5. Skill 10: Solve the system of equations by substitution. (Just like block day's notes)

$$x + 2y = 6$$
$$3x - 4y = 28$$

6-3 Solving Systems by Elimination

Problem 1 **Solving a System by Adding Equations**

What is the solution of the system? Use elimination. $2x + 5y = 17$, $6x - 5y = -9$

Got It? 1. What is the solution of each system? Use elimination.

a. $5x - 6y = -32$
$3x + 6y = 48$

b. $4x + 6y = 32$

$3x - 6y = 3$

c. $4y + 3x = 22$

$3x - 4y = 14$

HW p 381: #1,7,8, & 35

Solve each system using elimination.

1. $3x - 2y = 0$
$4x + 2y = 14$

Solve each system using elimination.

See Problems 1 and 2

7. $3x + 3y = 27$
$x - 3y = -11$

8. $-x + 5y = 13$
$x - y = 15$

Solve each system using any method. Explain why you chose the method you used.

35. $y = \frac{2}{3}x + 1$
$2x + 3y = 27$