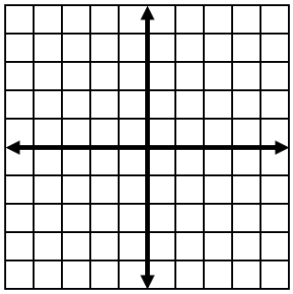
Alg 1 Week 14 Block Warm Up

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

$$-4x + 2y = -4$$



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

(-2,4) and (-7,-11)

3. Skill 8: Write the equation of the line that is perpendicular to $y = \frac{2}{3}x + 9$ and passes through (4,3), in slope-intercept form.

4. Skill 9: solve by graphing and check your answer.

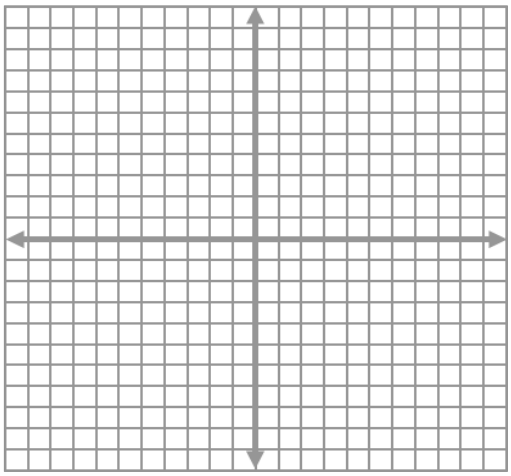
Line A: $y = 3x - 2$

Line B: $2x + y = -7$

Intersection point (,)

Check 1st line:

Check 2nd line:



Notes for 6-2 Solving Systems by Substitution

Problem 1 **Using Substitution**

What is the solution of the system? Use substitution.

$$y = 3x$$
$$x + y = -32$$

Got It? 1. What is the solution of the system? Use substitution. Check your answer.

$$y = 2x + 7$$
$$y = x - 1$$

Solve the system using substitution. Check your answer.

2.
$$4y = x$$
$$3x - y = 70$$

HW p 375: 2, 11, 12, 15 Solve and check!!

Solve each system using substitution. Check your answer. Check your answer in BOTH original equations!

2. $-2x + 5y = 19$
$3x - 4 = y$

check:

11. $x + y = 8$
$y = 3x$

check:

12. $2x + 2y = 38$
$y = x + 3$

check:

15. $y = -2x + 6$
$3y - x + 3 = 0$

check: