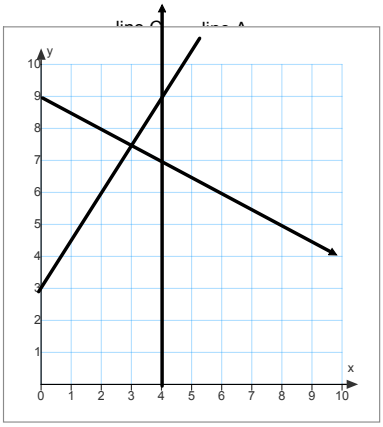
A1 w17d3 Ch 6 Review.notebook

Alg 1 Week 17 Block Warm-up

1. Write the equations of these lines.



Skill 8: Write the Equation of a Line Parallel or Perpendicular to a Line Given a Point.

Write an equation for the line that passes through (-4,6) and is perpendicular to the graph of 2x+3y=12

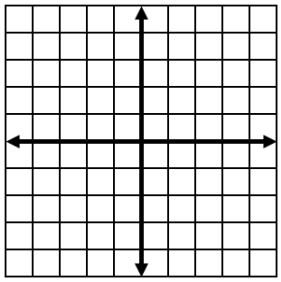
Skill 10: Solve a System of Linear Equations Algebraically.

$$2x + 7y = 1$$
$$x + 5y = 2$$

Skill 9: Solve a System of Linear Equations by Graphing.

Line A: $3x + y = 12$

Line B: $x + 3y = 12$

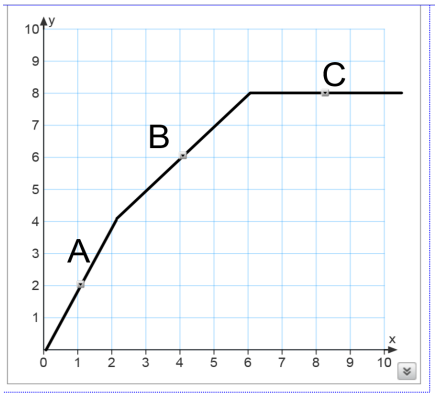


Write an equation of the line for;

A. stage A

B. stage B.

C. stage c



Alg1 wk 17 Block CW/HW — Chapter 6 Review 1

Use substitution to solve each system of equations:

1. $x = 2y$
   $3x - 5y = 8$

2. $2a + 3b = 6$
   $a = b - 7$

Use elimination to solve each system of equations:

3. $6x + 7y = 5$
   $2x - 3y = 7$

4. $5m + 2n = -8$
   $4m + 3n = 2$

Solve each system by the method of your choice.

5. $d = 2c + 9$
   $c + 2d = 8$

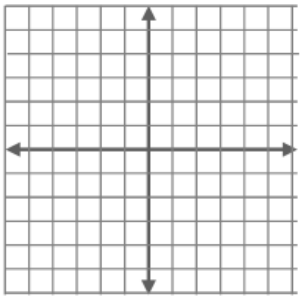
6. $2x - 2y = -15$
   $x = 5 - 4y$

7. $5x - 2y = 23$
   $5x + 2y = 17$

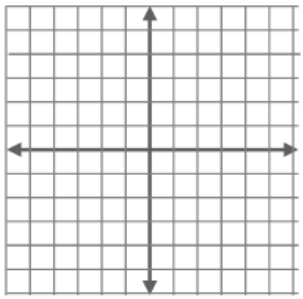
8. $3x + 5y = 2x$
   $x + 3y = y$

Solve each system of inequalities by graphing. Then ***name one point in the shaded region and check it*** in both inequalities to see that it does work.

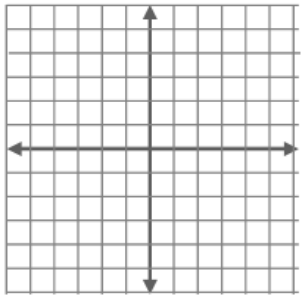
9. $y > -x - 1$
$y \leq 2x + 1$



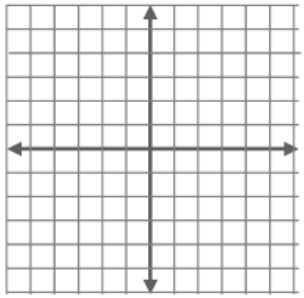
10. $y \geq x - 3$
$y \geq -x - 1$



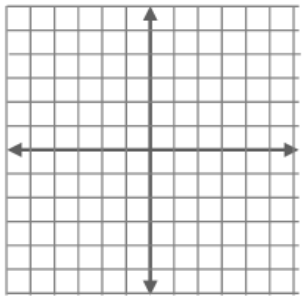
11. $y < 2x$
$x + 2y \geq -10$



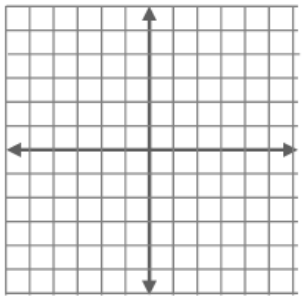
12. $x \geq 1$
$y + x \leq 3$



13. $2x + y < 5$
$2x - 5y < 25$



14. $x - 2y \leq -4$
$4y < 2x - 4$



Time for Week 17 assessments

Skill Test

Quiz