

Alg 1 Week 17 Tuesday Warm-up

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

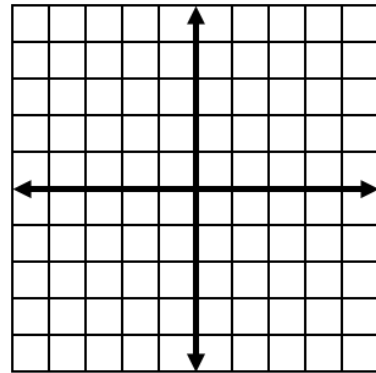
Write an equation for the line that passes through (0,10) and is parallel to the graph of $-6x+2y = -30$

Academic Recovery for Mid Ch 6 test today in N-6 right after school!!!

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

Line A: $x - y = 2$

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



Skill 10: Solve a System of Linear Equations Algebraically.

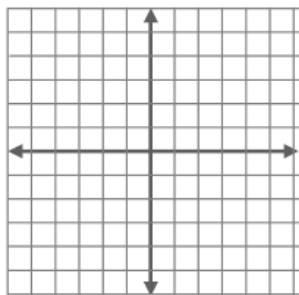
$$-x + y = 7$$

$$x + y = 1$$



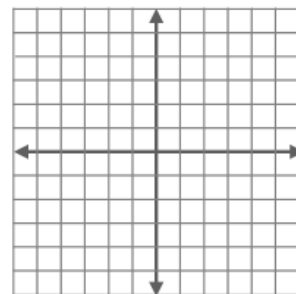
Solve each system of inequalities by graphing. **Then name one point in the shaded region and check it in both inequalities** to verify that it does work.

1. $x > 5$
 $y \leq 4$



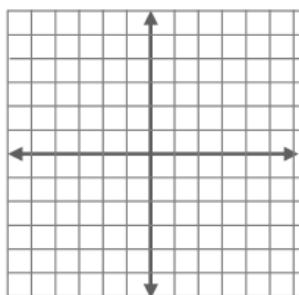
Check:

2. $y > 3$
 $y > -x + 4$



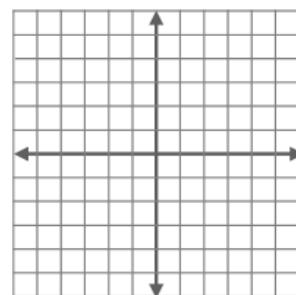
Check:

3. $x \geq 2$
 $y + x \leq 5$



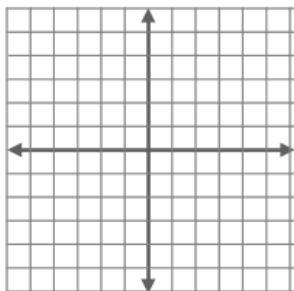
Check:

4. $2y + x < 6$
 $3x - y > 4$



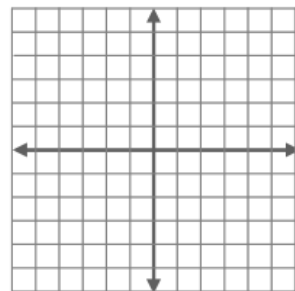
Check:

5. $3x - 4y < 4$
 $x + 2y \leq 8$



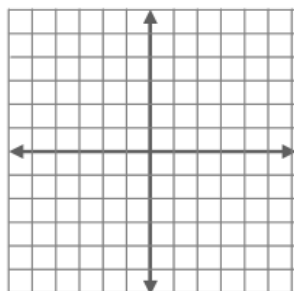
Check:

6. $5y \geq 3x + 10$
 $2y \leq 4x - 10$



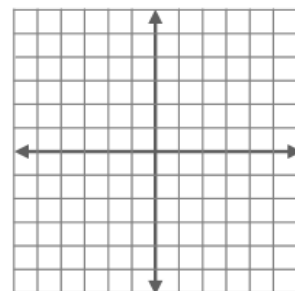
Check:

7. $y + 2 \leq x$
 $2y - 3 > 2x$



Check:

8. $x + y > 4$
 $-2x + 3y < -12$



Check:

