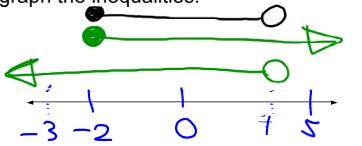
Pg. 36-37 Solving Inequalities Section: 3.3

P. 36

Warm up: Draw the number line and graph the inequalities.



pick up graphs and glue stick

Learning Targets

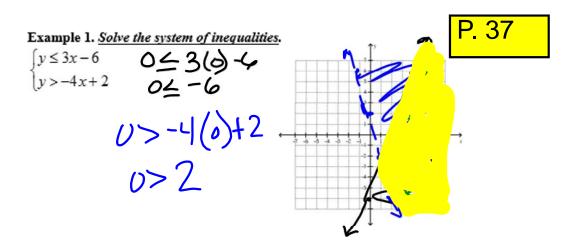
I CAN solve and graph inequalities

I CAN graph a two-variable inequality and determine where its solution(s) are located.

regions is your SOLUTION!

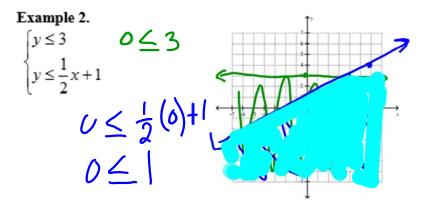
Section: 3.3 Solving Inequalities Pg. 36-37 3.3 Solving Systems of Inequalities P. 36 The solution of a linear system of equations occurs where the two lines intersect Likewise, the solution of system of linear inequalities occurs where the two regions _______ were larger than Any ordered pair that lies in the overlapping is a solution. **Steps to Solving Systems of Inequalities** Step 1: Put all inequalities in Stope into apt form. Step 2: Graph the Negualities Step 3: Shade the Solution for each inequality. (Use different colors for each.

Darken the region where color overlaps. The overlap of the two



3.3 Solving Systems of Inequalities 36-37.notebook

September 27, 2016



Example 3.

$$\begin{cases}
-x_{0} - y \le 2 \\
y - 2x > 1
\end{cases}$$

$$4 - 1 - 1$$

$$4 - 2x + 1 \quad y \ge -|x - 2|$$

$$4 - 2x + 1 \quad y \ge -|x - 2|$$

$$4 - 2x + 1 \quad y \ge -|x - 2|$$

$$4 - 2x + 1 \quad y \ge -|x - 2|$$

$$4 - 2x + 1 \quad y \ge -|x - 2|$$

$$4 - 2x + 1 \quad y \ge -|x - 2|$$

$$4 - 2x + 1 \quad y \ge -|x - 2|$$

$$4 - 2x + 1 \quad y \ge -|x - 2|$$

$$4 - 2x + 1 \quad y \ge -|x - 2|$$

$$4 - 2x + 1 \quad y \ge -|x - 2|$$

$$4 - 2x + 1 \quad y \ge -|x - 2|$$

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$$5 - 2x + 1 \quad y \ge -|x - 2|$$

$$7 - 2x + 1 \quad y \ge -|x - 2|$$

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$$7 - 2x + 1 \quad y \ge -|x - 2|$$

$$7 - 2x + 1 \quad y \ge -|x - 2|$$

$$7 - 2x + 1 \quad y \ge -|x - 2|$$

$$7$$

Homework. Worksheet 3.3