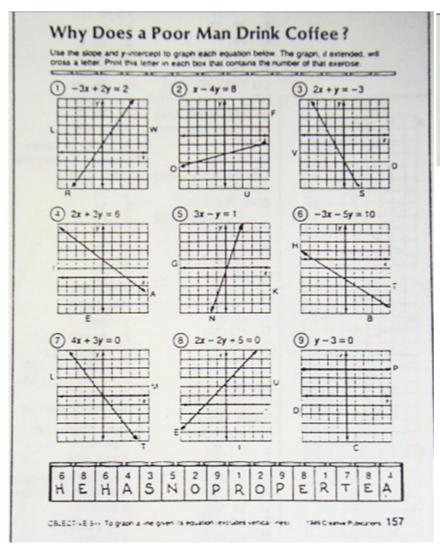
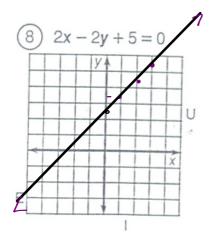
SOLUTIONS/QUESTIONS FROM THE HOMEWORK???



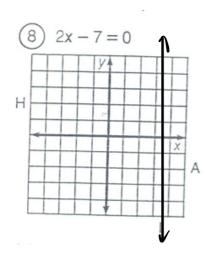
HE HAS NO PROPER TEA He has no proper tea (property). Page 158 SHE HAD A BUM STEER

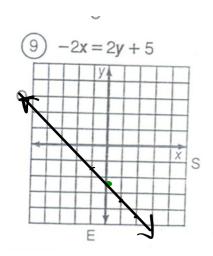
HW Questions



$$-\frac{1}{2}y = -\frac{2}{2}x - 5$$

$$-\frac{1}{2}z = -\frac{1}{2}x + 2.5$$





$$-\frac{2}{2}y = \frac{2}{2}x + 5$$

$$-\frac{2}{2}y = -\frac{2}{2}x - 2.5$$

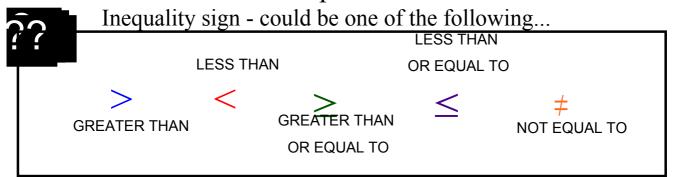
$$-\frac{2}{2}x - \frac{2}{2}y + 5$$

$$-\frac{2}{2}x - \frac{2}{2}x - \frac{2}{2}y + 5$$

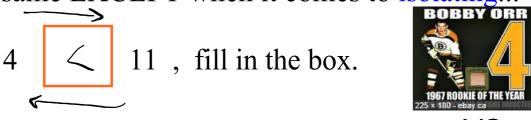
$$-\frac{2}{2}x - \frac{2}{2}x - \frac{2}{2}y + 5$$

$$-\frac{2}{2}x - \frac{2}{2}x - \frac{$$

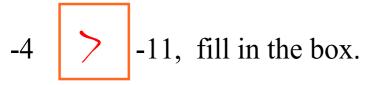
Linear Inequalities:



When solving an in-equation, all the steps are the same EXCEPT when it comes to isolating...



Now divide both by -1





RULE: If you multiply or divide by a negative, reverse the inequality sign!!!

NOTES - Graphing a Linear Inequation.docx

When the solution set to a linear inequality is continuous and the sign does not include equality, use a dashed line for the boundary and shade the solution region.

Example: Graph the solution to: 2x - 3y < 6. First, solve for the equation in the slope – y intercept form (y = mx + y)2x - 3y < 6

-3y < -2x + 6y > (2/3)x - 2

STEP 1: Graph the boundary line

Find the "equals" part, which is the line y = (2/3)x - 2. It looks like this:

But this example is a strict inequality. That is, it's only "y greater than." We denote strict inequalities on the number line (such as x > 5) by using an open dot instead of a closed dot. In the case of these linear inequalities, the notation for a strict inequality is a dashed line. So the boundary line of the solution region actually looks like this:

STEP 2: Decide on dashed or solid

By using a dashed line, we can still identify the boundary line, but the dashed line indicates that the boundary line isn't included in the solution. Since this is a "y greater than" inequality, we will shade above the line, so the solution looks

like this:

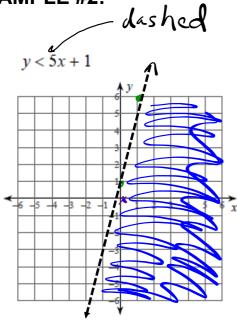
STEP 3: Pick a ('test point') and verify

STEP 4: Shade

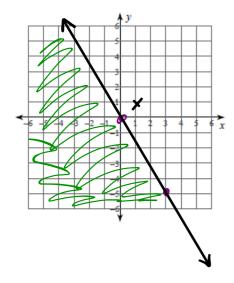
VIDEO - Graphing Inequalities

Click HERE to watch the video!!!



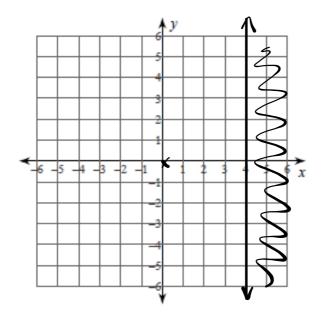


EXAMPLE #3: 2 Solid boundary $3y \le -5x$



EXAMPLE #4:

 $x \ge 4$



$$X = Y$$

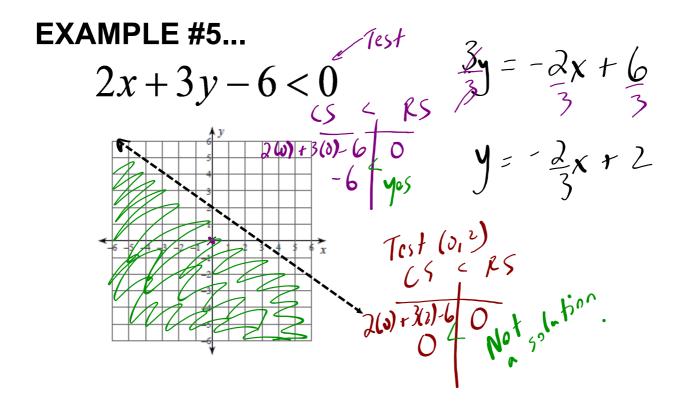
$$x \text{ ver himl}$$

$$Test (0,0)$$

$$X \ge Y$$

$$LS \mid PS$$

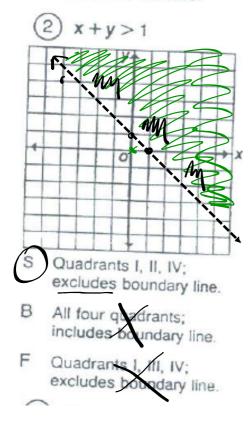
$$0 \ge Y$$



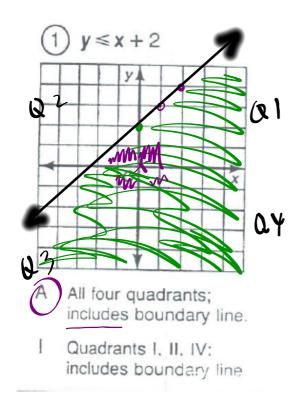
HOMEWORK...

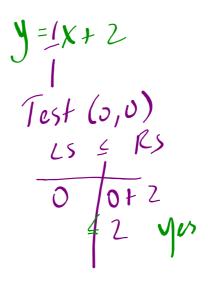
Puzzle Worksheet - Graphing Linear Inequalities with Two Variables.pdf





$$x + y = 1$$
 $y = -x + 1$
 $Test(0,0)$
 $LS > 12S$
 $0 + 0 + 0$
 0





NOTES - Graphing a Linear Inequation.docx

Puzzle Worksheet - Graphing Linear Inequalities with Two Variables.pdf