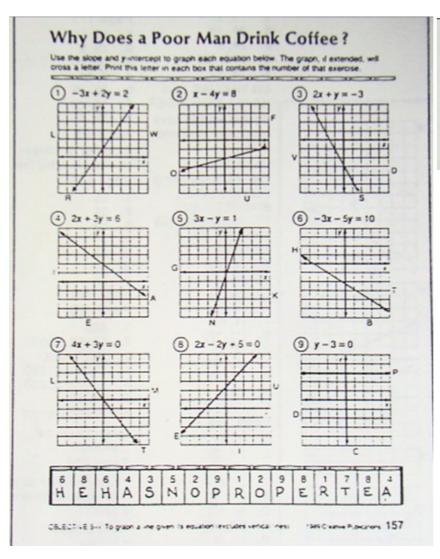
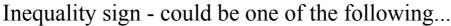
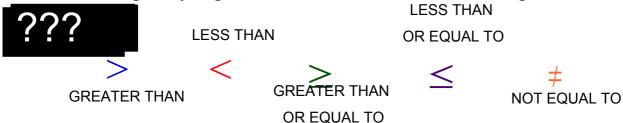
SOLUTIONS/QUESTIONS FROM THE HOMEWORK???



HE HAS NO PROPER TEA He has no proper tea (property). Page 158 SHE HAD A BUM STEER Untitled.notebook February 08, 2016

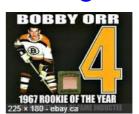
Linear Inequalities:



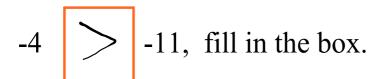


When solving an in-equation, all the steps are the same EXCEPT when it comes to isolating...

4 \(\lambda \) 11, fill in the box.



Now divide both by -1





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

Untitled.notebook February 08, 2016

Favorite Numbers... What's Sheldon's???



NOTES - Graphing a Linear Inequation.docx

2x - 3y = 6-3y = -2x + 6

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. $V = \frac{2}{3} \times \frac{2}{3}$

Example: Graph the solution to: 2x - 3y < 6.

First, solve for the equation in the slope – y intercept form (y = mx + b).

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

5 or>

By using a dashed line, we can still dentify 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:

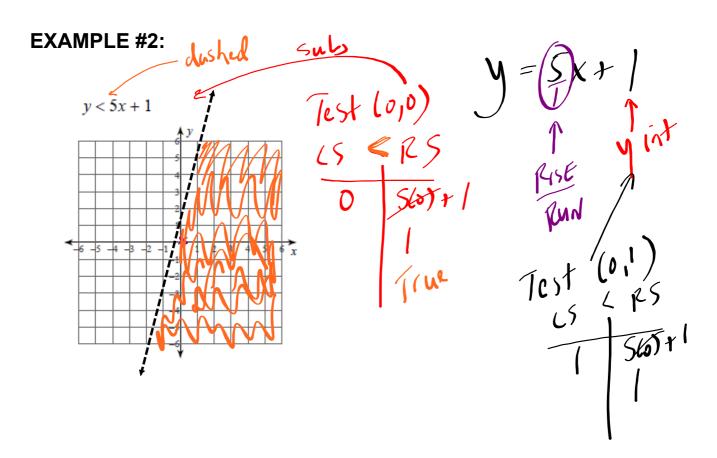
STEP 3: Pick a 'test point' and verify

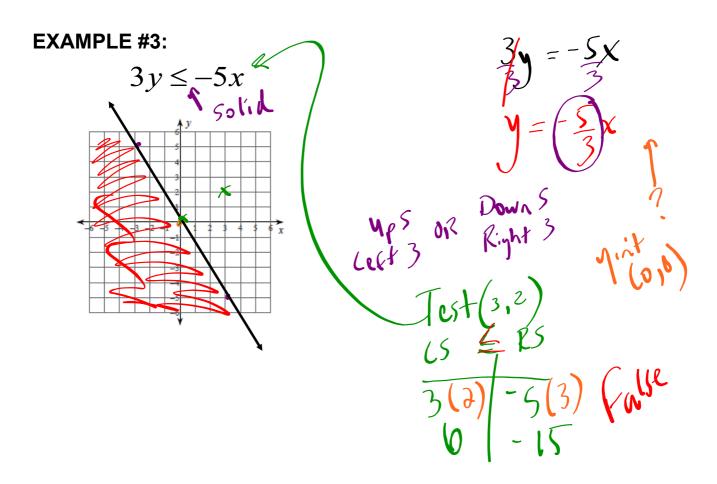
STEP 4: Shade

2x - 3y - 6 RS

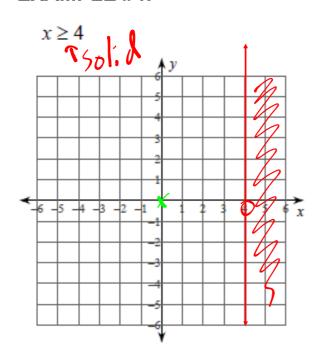
VIDEO - Graphing Inequalities

Click HERE to watch the video!!!





EXAMPLE #4:



x vertical

Test (0,0)

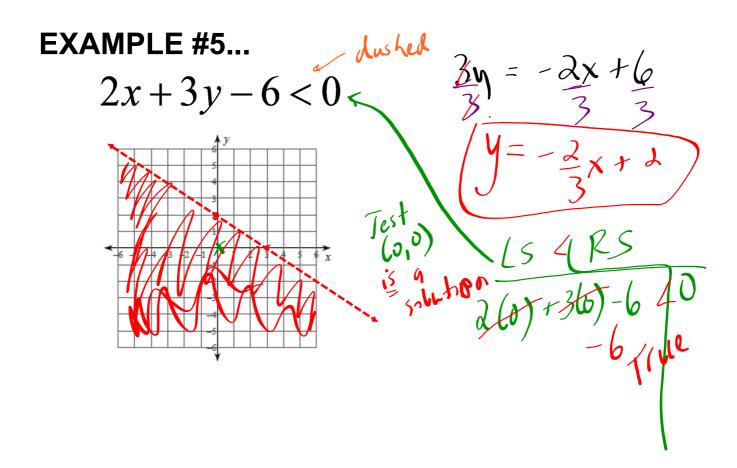
x = 4

(5)

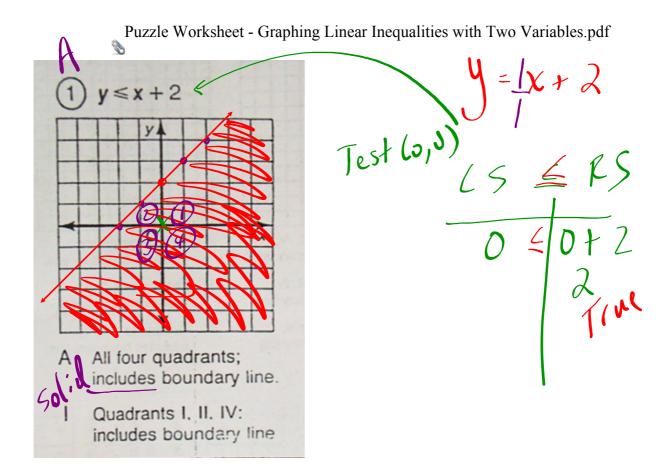
125

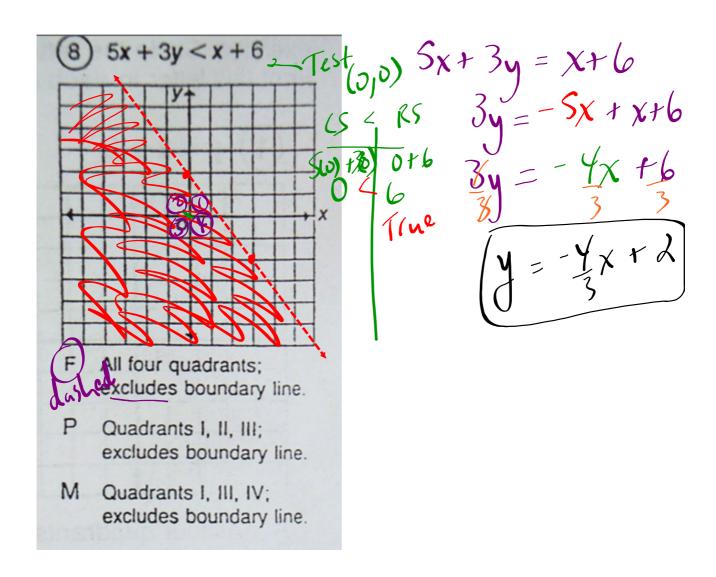
(6)

(7)



HOMEWORK...





NOTES - Graphing a Linear Inequation.docx

Puzzle Worksheet - Graphing Linear Inequalities with Two Variables.pdf