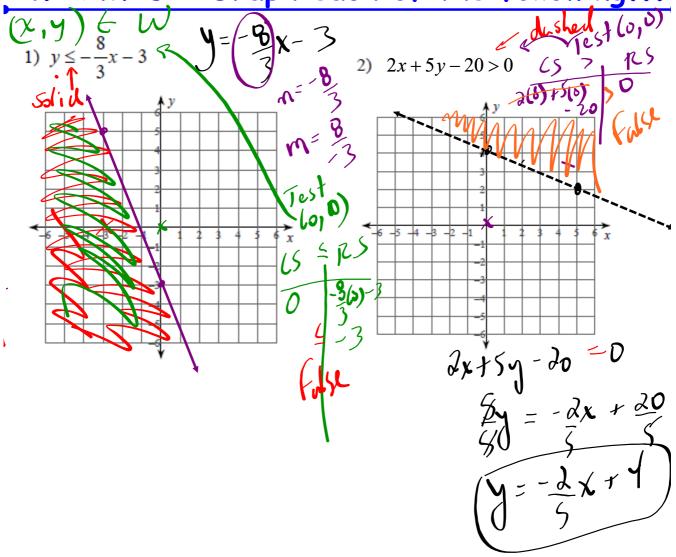
WARM-UP: Graph each of the following...



1

Untitled.notebook February 10, 2016

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1. A

2. Y

3. P

4. E

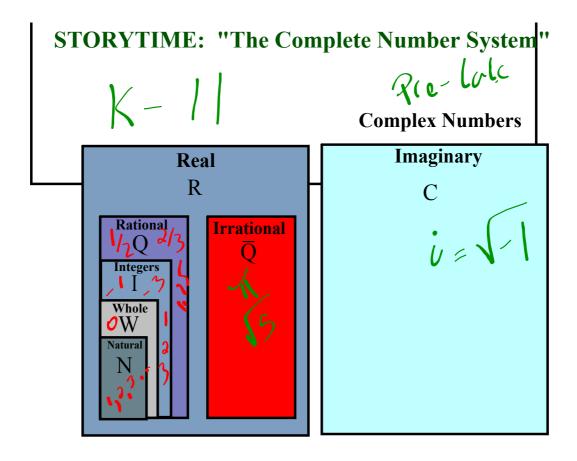
5. M

6. T

MEETPATTY

Meet (meat) patty.

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6. W
7. I
8. F
9. R
10. A
11. B
THEIR FATHER WAS
A BOAR
Their father was a
boar (bore).



Graphs of Linear In-Equalities

So when interpreting the solution region for a linear inequality, consider the restriction on the domain and range of the variables.

If the solution set is **continuous**, all the points in the solution region are in the solution set. (Shaded)

If the solution set is **discrete**, only specific point in the solution region are in the solution set. This is represented graphically by stippling.

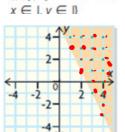
Some solution sets may be restricted to specific quadrants. For example, most linear inequalities representing real-world problem situations have graphs that are restricted to the first quadrant.

Here are some examples:

 $\{(x, y) \mid y > -2x + 5,$

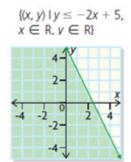
-> is a set of OR belongs to

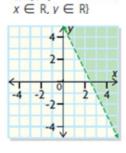
 $\{(x,y)\mid y\geq -2x+5,$

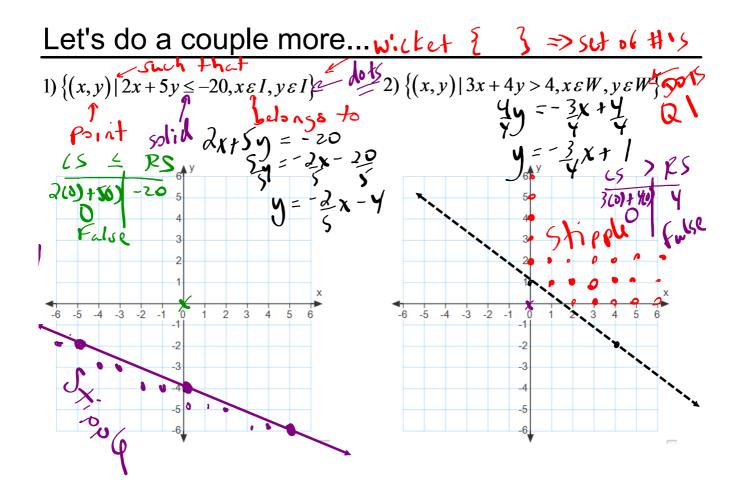












HOMEWORK...

Worksheet - Graphing Inequations with 2 variables.pdf

Worksheet Solutions - Graphing Linear Inequalities.pdf

Worksheet - Graphing Inequations with 2 variables.pdf

Worksheet - Graphing Linear Inequalities.pdf