Pre-Algebra

Quiz tomorrow on 4-1 to 4-3

To do now:

- ✔ Homework on your desk (Handout 4-2 #7-23 and Page 181 #21 - 32 & 37 - 44)
- ✔ Complete Warm Up

Warm up:

What is the area of the square with side length $2\frac{1}{3}$ inches?

Note: Area of square = side²

Agenda:

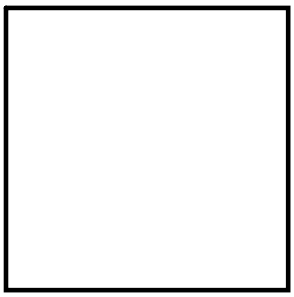
- ✔ Distributive property
- ✔ Single step equation solving

Homework:

Page 187 #12-26

Oct 26-11:27 AM

Warm Up



Area = side²

$5\frac{4}{9}$ IN²

Nov 29-1:32 PM

Practice-Review

Simplify

$$-3(x - 4) - (4x - 2) - 3(-2x + 4)$$

$-1x + 2$

Nov 30-2:22 PM

Solving Single Step Equation

KEY POINT: Whatever you do to one side of the equation, you must do to the other side. KEEP IT BALANCED!

Inverse operations: Operations that "undo" or are opposite operations of one another.

Nov 29-1:33 PM

Solving Single Step Equation

KEY POINT: Whatever you do to one side of the equation, you must do to the other side. KEEP IT BALANCED!

$x + 9 = -11$

$-9 \quad -9$

$x = -20$

$x - 6 = -12$

$+6 \quad +6$

$x = -6$

$-8 = x + 6$

$-6 \quad -6$

$-14 = x$

GOAL $x =$ ___

Nov 29-1:35 PM

Solving Single Step Equation

KEY POINT: Whatever you do to one side of the equation, you must do to the other side. KEEP IT BALANCED!

Inverse operations: Operations that "undo" or are opposite operations of one another.

Nov 29-1:33 PM

Introduction to Algebra

Test tomorrow on Linear Equations and Function Notation

To do now:

- ✔ Have homework on your desk (Page 267 #1-20)
- ✔ Complete Warm Up

Warm Up:

Write the following in Standard Form:

$-3(x - 5) = 2y + 1$

$3x + 2y = 14$

Agenda:

- ✔ Function Notation
- ✔ Chapter 4 Review

Homework:

Test

Oct 26-11:27 AM

Advanced Algebra

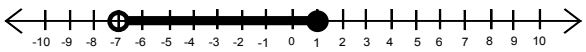
Quiz tomorrow on Inequalities

To do now:

- ✔ Homework on your desk
- ✔ Complete Warm Up

Warm Up:

Write an inequality that represents the graph:



$-7 < y \leq 1$

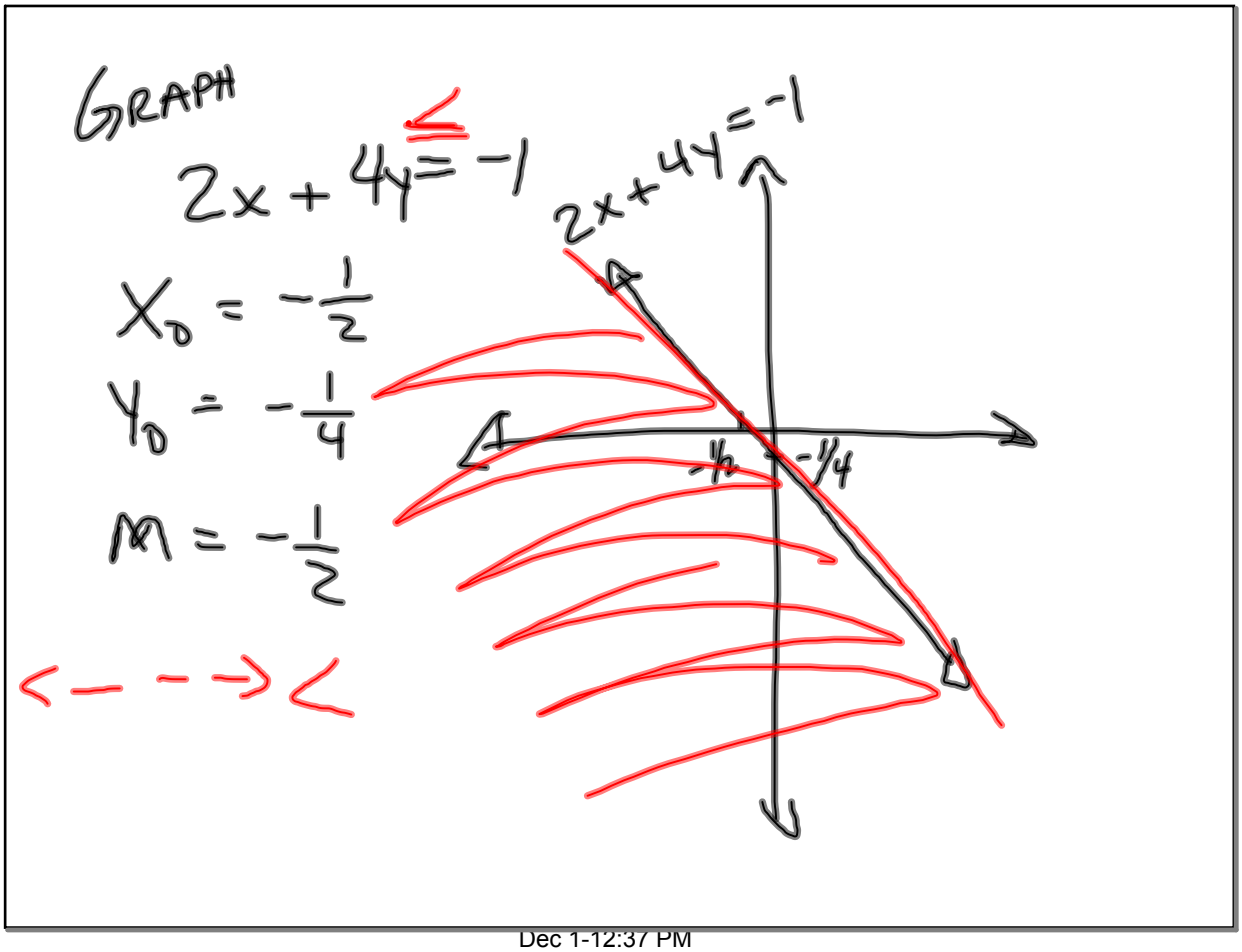
Agenda:

- ✔ Graphing Linear Inequalities (10-7)

Homework:

Page 482 #14-32 Evens

Oct 26-11:27 AM



Dec 1-12:37 PM

Graphing Inequalities

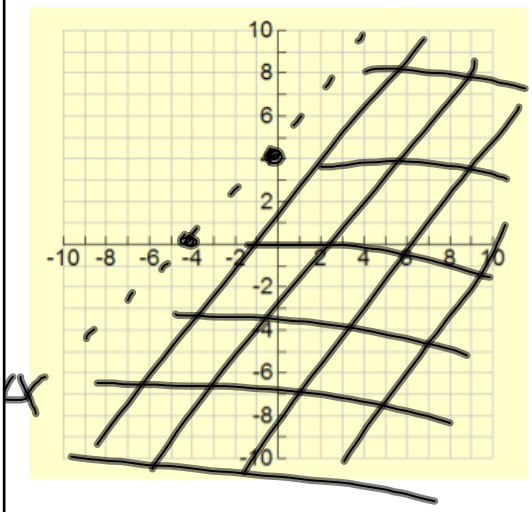
$<$ or $>$: solution set does ***not include*** any of the ordered pairs on the line itself. As a result, the drawn line is dotted (showing a boundary, but not including the edge.)

$\leq$ or $\geq$: Solution set ***includes*** the ordered pairs on the line, as a result the drawn line is solid.

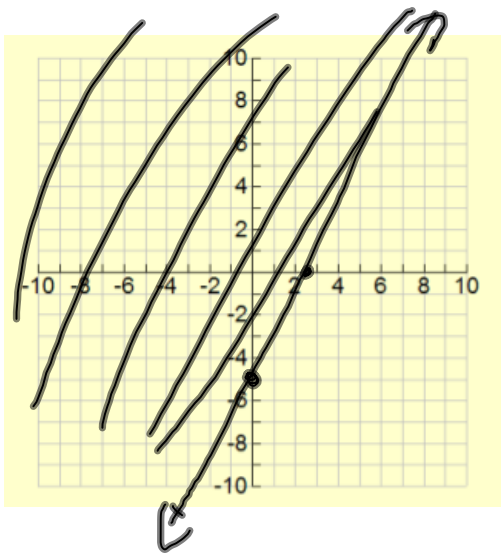
Once the boundary line is drawn, (solid or dotted), pick two ordered pairs, one on each side of the line. Determine which ordered pairs satisfies the inequality. Shade the side that contains that ordered pair. You can only have ***one*** side shaded.

Nov 29-1:45 PM

$y < x + 4$



$y \geq 2x - 5$



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