

Pre-Algebra

To do now:

- ✓ **Everything, except your notes off the desk.**
- ✓ **Quizzes are being returned.**
Re-do your quiz, make corrections on your own. Use your notes.

Agenda:

- ✓ **Review of add/sub single step equations**
- ✓ **Introduce mult/div single step equations**

Homework:

**Page 194 #12-40,
not #27, & 28**



Oct 26-11:27 AM

LIKE TERM: CONSTANTS ARE
ALWAYS LIKE TERMS. TERMS
THAT SHARE THE SAME VARIABLES
& EXPONENTS.

$$6x^2 - 5x + 2 - x$$

TERMS:

$6x^2$	$+ 2$
$- 5x$ ✓	$- 1x$ ✓

$6x^2 + 2 - 6x$

Dec 3-7:56 AM

Quiz Check

Identify the like terms...include coefficients and signs.

$$6x^2 - 5x + 2 - x$$

Dec 2-1:45 PM

Inverse Operations

Addition and Subtraction

$$\underline{x + 9 = -10}$$

ADDITION

SUBTRACT

$$\begin{array}{r} x + 9 = -10 \\ -9 \quad -9 \\ \hline x = -19 \end{array}$$

$$x = -19$$

$$-10 = x - 4$$

SUBTRACT

ADDITION

$$\begin{array}{r} -10 = x - 4 \\ +4 \quad +4 \\ \hline -6 = x \end{array}$$

$$-6 = x$$

Multiplication and Division

$$4x = -12$$

MULT.

DIVISION

$$\begin{array}{r} 4x = -12 \\ \frac{4}{4} \quad \frac{-12}{4} \\ \hline x = -3 \end{array}$$

$$x = -3$$

$$\frac{x}{4} = -8$$

DIVISION

MULTI.

$$\begin{array}{r} (4) \frac{x}{4} = -8(4) \\ \hline x = -32 \end{array}$$

$$x = -32$$

Dec 2-10:53 AM

What about the fractions?

$$\frac{2}{3}x = -8$$

MULTIPLICATION

DIVISION

$$\frac{2}{3}x = -8$$

$$\div \frac{3}{3}$$

$$x = \frac{-8}{\frac{2}{3}}$$

$$x = \frac{-8}{1} \cdot \frac{3}{2}$$

$$x = \frac{-24}{2}$$

$$x = -12$$

Dec 2-11:13 AM

Fractions Practice

$$-2\frac{1}{3}x = -14$$

Dec 2-11:14 AM

Introduction to Algebra

To do now:

- ✓ **Everything off your desk.**
- ✓ **Tests are being returned...**
- ✓ **Make corrections on them...which are careless and which are problems you still don't understand?**

Agenda:

- ✓ **Test corrections**
- ✓ **Chapter 3.8**
(Rates/Ratios/Percents)

Homework:

None



Oct 26-11:27 AM

Vocabulary

Ratio

$$\frac{4}{5} = \frac{\#}{100}$$

Proportion

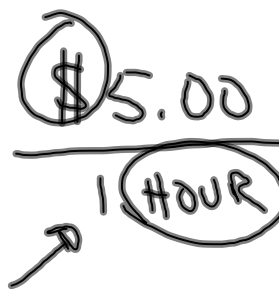
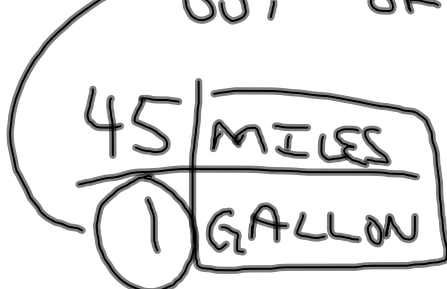
$$\frac{A}{B} \times \frac{C}{D}$$

$$AD = BC$$

Rate

COMPARES DIFFERENT
UNITS OF MEASUREMENT

Unit Rate "PER" → MEANS
OUT OF 1.



Percent

$$\frac{\#}{100} \%$$

Dec 2-11:19 AM

Advanced Algebra

To do now:

- ✓ **Clear your desk...quizzes are being returned.**

Agenda:

- ✓ **Correct quiz**
- ✓ **Systems with inequalities (10-8)**

Homework:

None



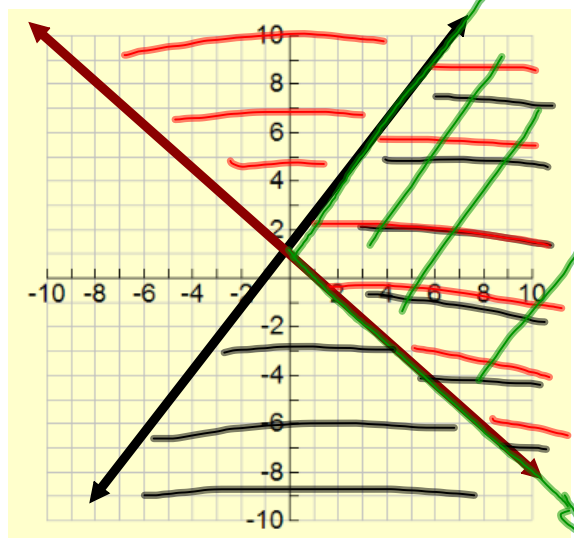
Oct 26-11:27 AM

Systems of Inequalities

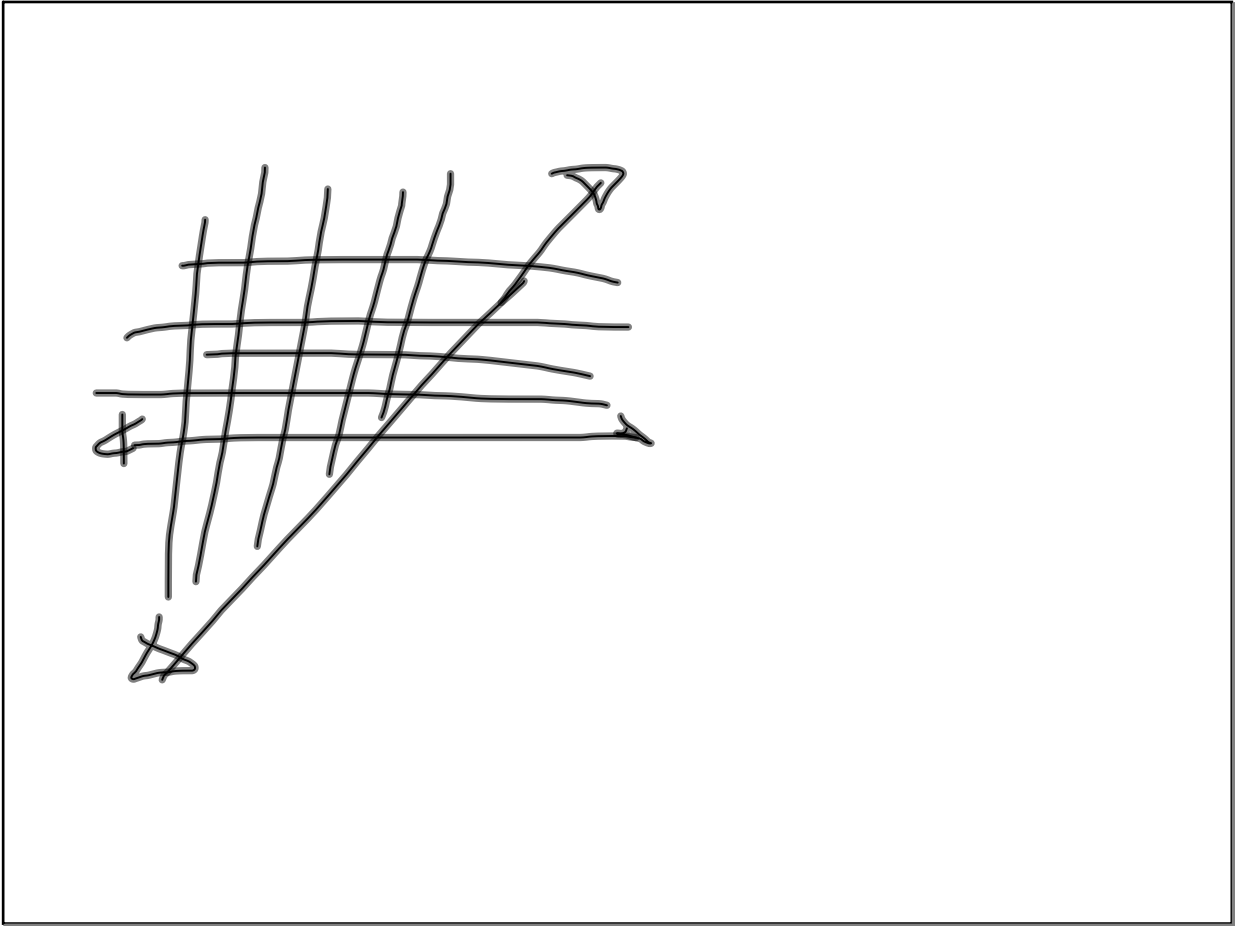
Graph each pair of inequalities and indicate the solution set of the system with shading.

$$y \leq x + 1 \quad \leftarrow \text{black arrow}$$

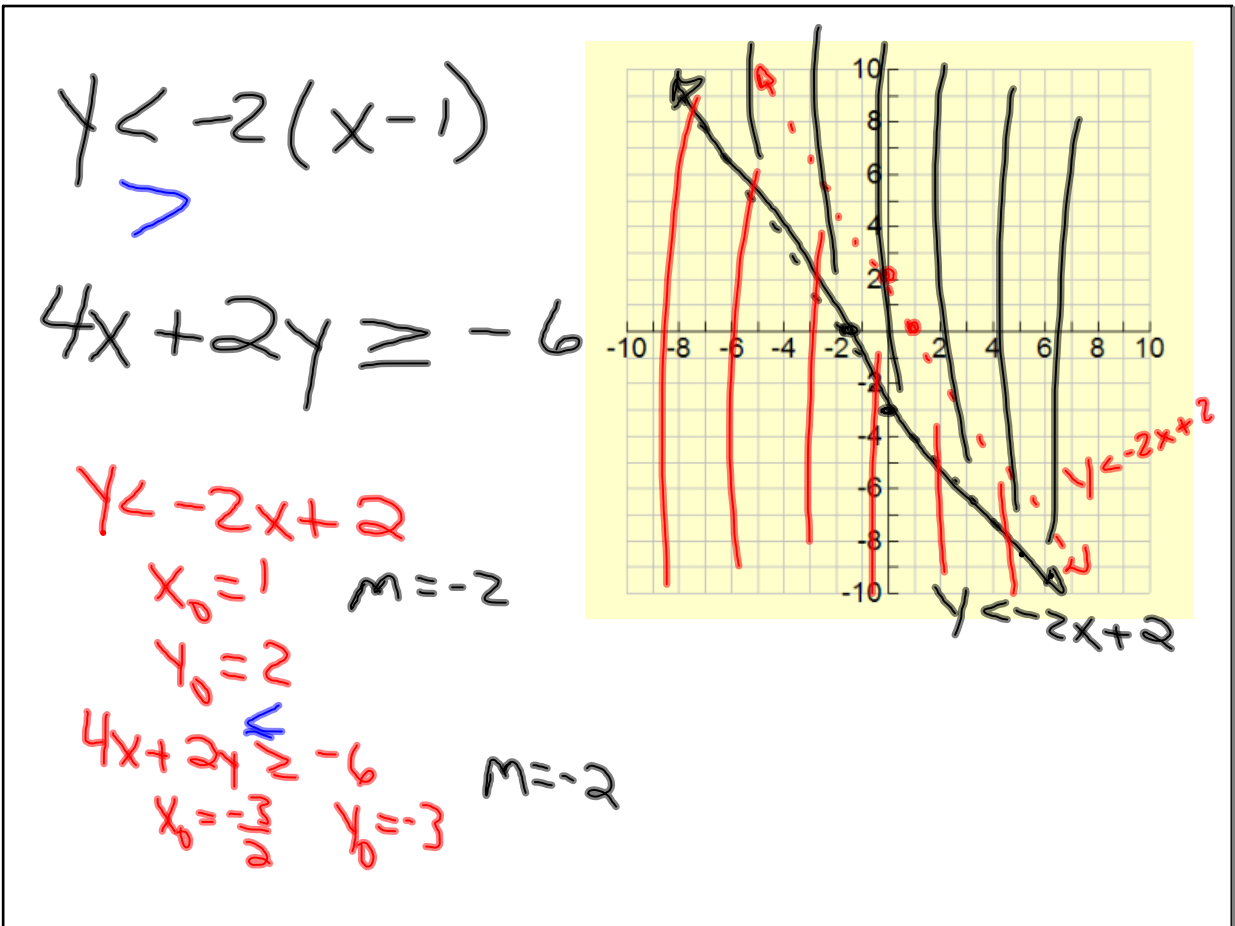
$$y \geq 1 - x \quad \leftarrow \text{red arrow}$$



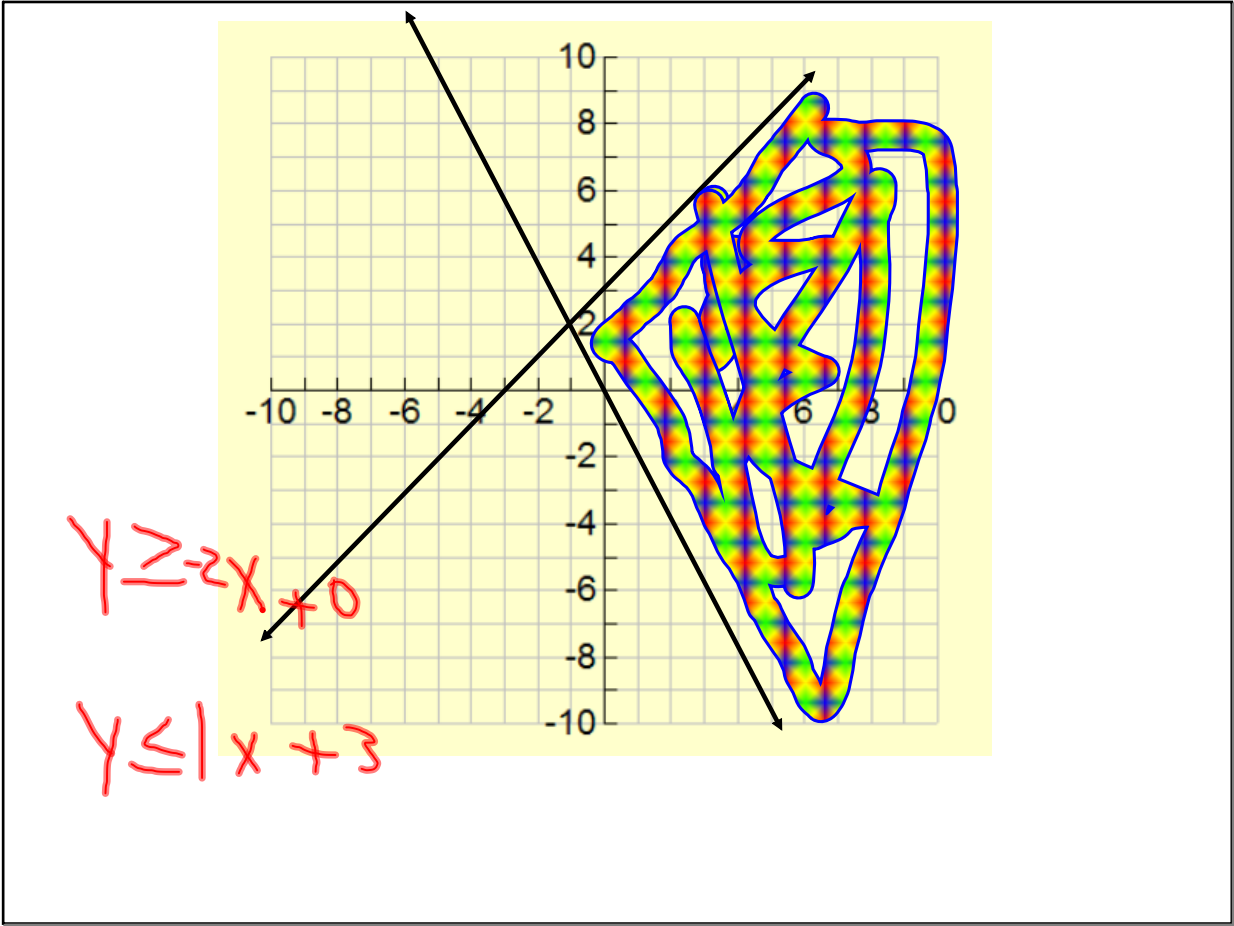
Dec 2-11:39 AM



Dec 3-12:42 PM



Dec 3-12:42 PM



Dec 3-12:53 PM