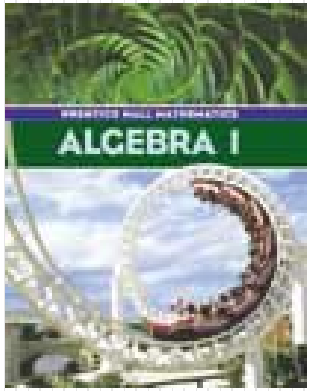
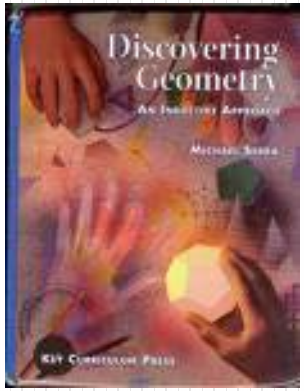
Mr. Northcutt's Math Classes
Class Presentation

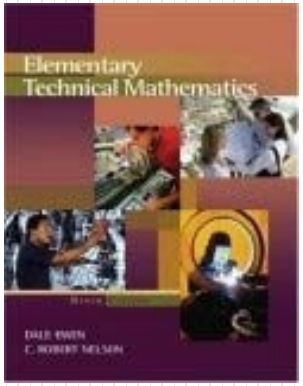
Wednesday, October 1, 2008 (21)



Math 1



Math 2



Applied Math

Math 1 – Daily Summary

- **Announcements**
  - None
- **Class Objectives**
  - Test Review
  - Solving Equations
    - The “End Game”
    - Single Step (Add/Sub, Mult/Div)
    - Checking Your Answer!
- **Assignment**
  - **Lesson 2-1**: 3-18 (by 3), 21-51 (by 3), 82

Test Review

- **Scoring Summary (Periods 6 and 7 Combines)**
  - Average = **81%**
  - High = **106%**
  - Low = **51%**
- **Areas for Improvement**
  - Careless/Sloppy Work!
  - Negative Numbers (All Operations)
  - Fractions (All Operations)
  - Exponents (What are They)
  - Combining Like Terms
  - Number Sets (Natural → Real)

Do You Have a Question on Any Problem?

Solving Equations – "The End Game"

- **Here is where we are headed…in Chapter 2.**

$$3r + 3(r + 15) = 225$$

Solving an Equation

- **<u>Solving an Equation</u> means:**

Finding the value (or values) of the variable that makes the equation true.

$$x + 2 = 5 \qquad\qquad x - 3 = 2$$

- **<u>CHECK ANSWER</u> by substituting value into the original equation and evaluating.**

Solving Equations – Add/Subtract

- **The "=" sign is like a BALANCED SCALE**
  - To keep the scale balanced you must do the **same thing** to both sides

- **We can ADD/SUBTRACT numbers from both sides of an equation to solve it (ISOLATE THE VARIABLE!)**

$$x + 2 = 5$$

Inverse Operations

\- +

$$x - 3 = 2$$

Practice

Check Answers!

- **Solve the following equations:**

$$x + 5 = 6 \qquad \frac{2}{3} + y = \frac{1}{4} \qquad 18 = -6 + w$$

Practice

- **A mother holds her baby and steps on a scale (to weigh). The scale reads 147 lb. The mother alone weighs 129 lb. How much does the baby weight?**

1. Variable
2. Equation
3. Solve

Solving Equations – Multiply/Divide

- **The "=" sign is like a BALANCED SCALE**
  - To keep the scale balanced you must do the **same thing** to both sides

- **We can MULT/DIVIDE both sides of an equation to solve it (ISOLATE THE VARIABLE!)**

$$\frac{n}{6} = 5$$

Inverse Operations
X ÷

$$12 = 3a$$

Practice

Check Answers!

- **Solve the following equations:**

$$3a = 18 \qquad 20 = -2x \qquad \frac{x}{-3} = 18$$

Math 2 – Daily Summary

- **Announcements**
  - Chapter 2 Test on Friday *(Last Score on Midterm Grade)*
- **Class Objectives**
  - Visual Problem Solving
- **Assignment**
  - **Lesson 2.9**: 1-12, 14-19, 23

<u>Due Friday (Chapter Review – Test Preparation)</u>

- **Lesson 2.10**: 1-26, 28, 32-46, 51, 53, 54 (*Due Friday but I suggest you start sooner so you can ask questions!*)

“A Picture is Worth 1000 Words”

- **Volumes 1 and 2 of a two-volume set of math books sit next to each other on a shelf. They sit in their proper order: Volume 1 on the left of Volume 2. Each front and back cover is 1/8 inch thick , and the pages portion of each book is 1 inch thick. If a bookworm starts at the first page of Volume 1 and burrows all the way through to the last page of Volume 2. How far will it travel?**

Let’s Try Another

- **In Reasonville, streets that begin with a vowel run north-south unless they end with the letter “d”, in which case they run east-west. All other streets run in either direction. Euclid street runs perpendicular to Germain Street. Fermat Street runs parallel to Germain Street. In which direction does Fermat Street run?**

Applied Math – Daily Summary

- **Announcements**
  - None
- **Class Objectives**
  - Chapter 1 Test
  - When Finished…
    - HW Check
    - Catch-up or Work Quietly on Computer
- **Assignment**
  - No HW