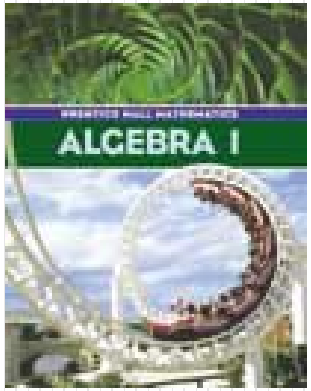
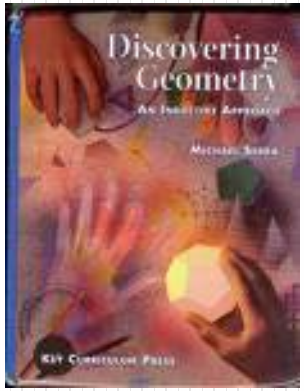
Mr. Northcutt's Math Classes
Class Presentation

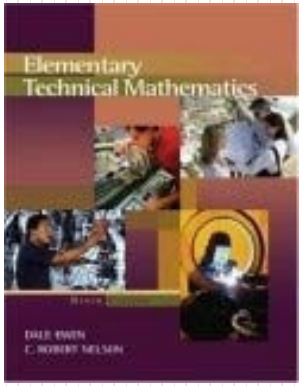
May 21, 2009 (164)



Math 1



Math 2



Applied Math

Math 1 – Daily Summary

- **Announcements**
  - QUIZ: Algebra Review - Tomorrow
  - Substitute Tomorrow - Best Behavior!
- **Class Objectives – What you should learn today?**
  - Algebra Review: Polynomial Operations
    - Addition & Subtraction
    - Multiplication (FOIL & Long Multiplication)
    - Factoring Polynomials (Common Factor & Product of Binomials)
- **Assignment**
  - **Worksheet**: Polynomial Operations

Math 2 – Daily Summary

- **Announcements**
  - QUIZ: Algebra Review - Tomorrow
  - Substitute Tomorrow - Best Behavior!
- **Class Objectives – What you should learn today?**
  - Algebra Review: Polynomial Operations
    - Addition & Subtraction
    - Multiplication (FOIL & Long Multiplication)
    - Factoring Polynomials (Common Factor & Product of Binomials)
- **Assignment**
  - **Worksheet**: Polynomial Operations

Applied Math – Daily Summary

- **Announcements**
  - TEST: Quadratic Equations - Tomorrow
  - Substitute Tomorrow - Best Behavior!
- **Class Objectives – What you should learn today?**
  - Applications of Quadratic Equations
    - Setting up the Problem
    - Solving by Square Root
    - Solving by Factoring
    - Solving using the Quadratic Formula (NOTE: Always Works!)
- **Assignment**
  - **Section 11.3**: 1, 5, 7, 8 and 13

Application of Quadratic Equations

#1: A variable voltage in an electric circuit is given by the equation:

$$V = 8t^2 - 28t + 20$$

where t is in milliseconds. Find the values of t when the voltage V equals (a) 8 V and (b) 15 V.

Application of Quadratic Equations

#2: Design a rectangular metal plate so that its length is 6 cm more than twice is width and its area is 360 cm^2. What are the dimensions of the plate?

Application of Quadratic Equations

#3: The perimeter of a rectangle is 20 cm, and its area is 16 cm2. Find its dimensions (length and width).