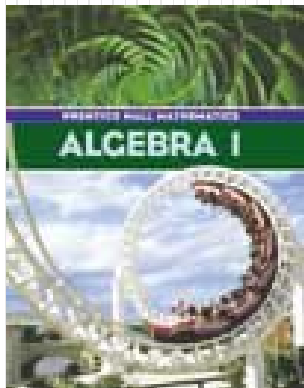
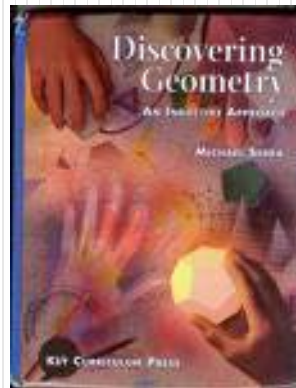


Mr. Northcutt's Math Classes Class Presentation

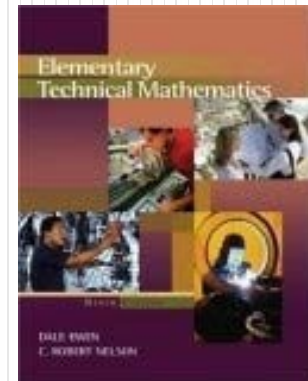
March 24, 2009 (127)



Math 1



Math 2



Applied Math



Math 1 – Daily Summary

- **Announcements**
 - Last Week of 3rd Quarter!
 - **QUIZ: Sections 7.1 thru 7.3 on Thursday**
- **Class Objectives – *What you should learn today!***
 - More...Solving Systems of Equations by Substitution
- **Assignment**
 - **Worksheet: Solving by Substitution #2**



Math 2 – Daily Summary

- **Announcements**
 - Last Week of 3rd Quarter.
 - **QUIZ: Lesson 11.1 thru 11.5 (Volume) on Thursday.**
- **Class Objectives – *What you should learn today!***
 - Calculate the Volume of Pyramids and Cones
- **Assignment**
 - **Lesson 11.4: 3-15**

Pyramid-Cone Volume Conjecture



- If B is the area of the base of a pyramid or a cone and H is the height of the solid, then the formula for the volume is:

$$V = \frac{1}{3} B \cdot H$$

Applied Math – Daily Summary



- **Announcements**

- Last Week of 3rd Quarter
- **TEST: Chapter 8 (Equations of Lines) on Thursday**

- **Class Objectives – *What you should learn today!***

- Writing/Using Equation of Line in Point-Slope Form
 - Writing Equation given Slope and a Point
 - Transforming Point-Slope to Slope-Intercept Form
 - Writing Equations given Two Points

- **Assignment**

- **Worksheet:** Point-Slope Form of a Line



Point-Slope Form of a Line

- Given any point (x_1, y_1) on a line with slope = m , the Point-Slope Form of the equation of the line is:

$$y - y_1 = m(x - x_1)$$

- Example: The point $(2, -3)$ is on a line with slope = -2 .

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

- Write in slope-intercept form:

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

$$y + 3 = -2x + 4$$

$$y = -2x + 1$$