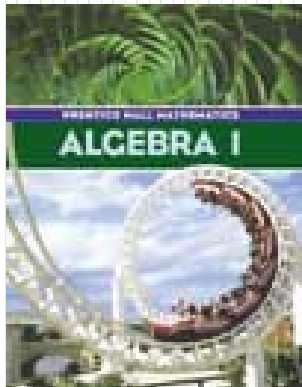
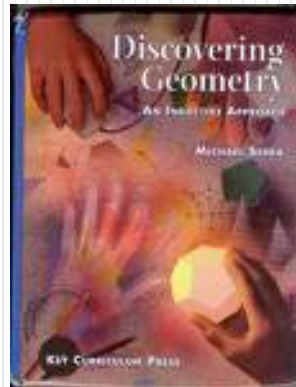


Mr. Northcutt's Math Classes Class Presentation

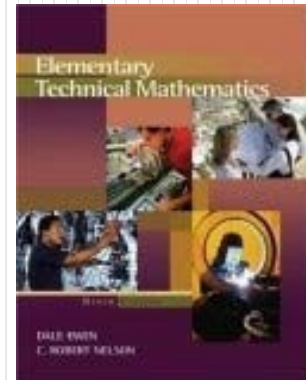
March 3, 2009 (112)



Math 1



Math 2



Applied Math



Math 1 – Daily Summary

- **Announcements**
 - **Quiz on Sections 6.1 thru 6.5 on Friday!**
- **Class Objectives – *What you should learn today!***
 - Point-Slope Form of the Equation of a Line
 - Working with & manipulating ALL 3 Forms of Line:
 - Slope-Intercept
 - Standard Form
 - Point-Slope Form
- **Assignment**
 - **Section 6-4: 31-35, 54, 55, 60**



Equations of Lines (so far...)

Slope-Intercept Form

$$y = mx + b$$

Standard Form

$$Ax + By = C$$

Point-Slope Form

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

Things YOU CAN DO!!!

- Graph the Line
- Transform b/w Forms
- From the Equation:
 - Find Slope
 - Find x- and y-intercepts
 - If Point on the Line
- Find Equation given:
 - Graph
 - Slope and y-intercept
 - Slope and a Point
 - Two Points



Example - Multiple Forms

- Find the equation of the line with Slope = 3 through point (2, 3) in: (1) Point-Slope Form, (2) Slope-Intercept Form, and (3) Standard Form.

$$(y - 3) = 3(x - 2) \quad \leftarrow \text{Point-Slope Form}$$

$$y - 3 = 3x - 6$$

$$y = 3x - 3 \quad \leftarrow \text{Slope-Intercept Form}$$

$$-3x + y = -3$$

$$3x - y = 3 \quad \leftarrow \text{Standard Form}$$



Math 2 – Daily Summary

- **Announcements**
 - **Chapter 10 Test Thursday!**
- **Class Objectives – *What you should learn today!***
 - Quiz Review
 - HW Problem Review
 - Review of Chapter 10
 - Pythagorean Theorem (Right Triangles)
 - Special Right Triangles (45-45 and 30-60)
 - Simplifying and Working with Square Roots
 - Sample Test
- **Assignment**
 - **Sample Test** + Chapter Review (recommended)



Applied Math – Daily Summary

- **Announcements**
 - **Chapter 13 Test on Thursday!**
- **Class Objectives – What you should learn today!**
 - HW Problem Review (as requested)
 - Check Answers on Whiteboard
 - Applications of Trigonometry to Applied Problems (cont.)
- **Assignment**
 - **Section 13.5: 11-16, 26, 28**