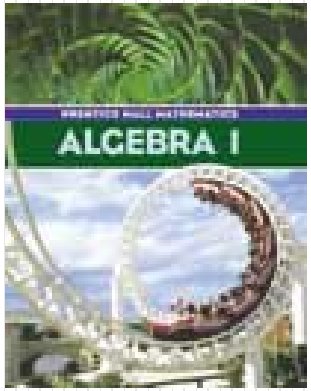
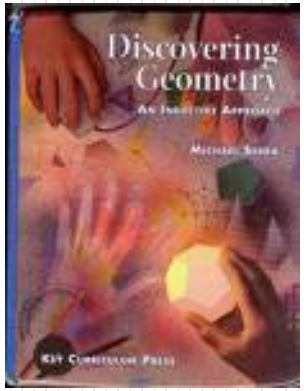
Mr. Northcutt's Math Classes
Class Presentation

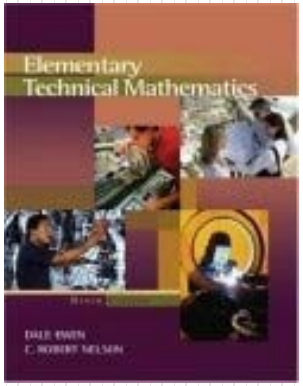
March 5, 2009 (114)



Math 1



Math 2



Applied Math

Math 1 – Daily Summary

- **Announcements**
  - **Quiz on Sections 6.1 thru 6.5 TOMORROW!**
- **Class Objectives – What you should learn today!**
  - Review of **LINES!!!**
  - In-Class PRACTICE (Worksheet):
    - Calculating Slope (from Graph, from 2 Points)
    - Graphing (from Slope-Intercept Form; from ANY Form)
    - Slope-Intercept Form (from Graph; from ANY Equation)
    - Point-Slope Form (from Point & Slope; from Two Points)
    - Parallel Lines (from a Point and a Line Parallel)

Class Worksheet Expectations

1. **Complete IN CLASS**
2. **Show ALL WORK - Including Interim Steps**
3. **Ask QUESTIONS to Ensure Understanding**
4. **Will be GRADED nightly…in PowerSchool the next day.**

NOTE: If you ever want another worksheet for additional practice I can easily generate and print on for you. Just ask me!

Review of Lines

- **Review of LINES:**
  - **How much "information" do you need to uniquely define a Line?**
  - **What is the SLOPE of a Line?**
  - **What FORMS of the Equation of a Line do you know?**
  - **How do you know if a Point (x_1,y_1) lies on a given Line?**
- **Skills Learned SO FAR:**
  - Calculating Slope (from Graph, from 2 Points)
  - Graphing (from Slope-Intercept Form; from ANY Form)
  - Slope-Intercept Form (from Graph; from ANY Equation)
  - Point-Slope Form (from Point & Slope; from Two Points)
  - Parallel Lines (from a Point and a Line Parallel)

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

Parallel & Perpendicular Lines

Parallel Lines

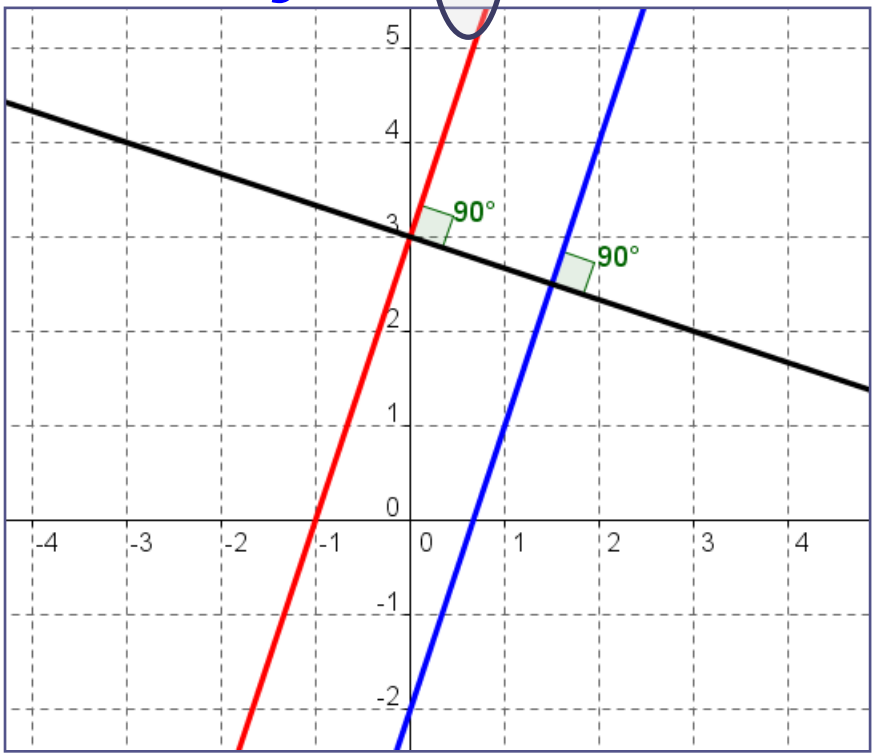
- Same Slope

Perpendicular Lines

- Negative Reciprocals

$y = 3x - 2$

$y = 3x + 3$



$y = -\frac{1}{3}x + 3$

Math 2 – Daily Summary

- **Announcements**
  - None
- **Class Objectives – What you should learn today!**
  - Chapter 10 Test
- **Assignment**
  - NO HW

Applied Math – Daily Summary

- **Announcements**
  - None
- **Class Objectives – What you should learn today!**
  - Chapter 13 Test
- **Assignment**
  - NO HW