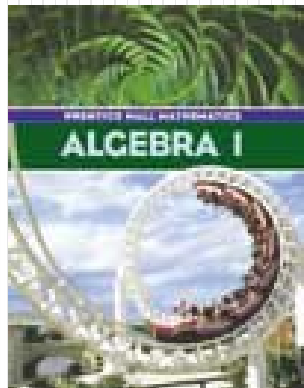




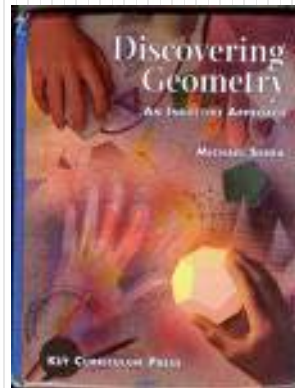
# Mr. Northcutt's Math Classes Class Presentation



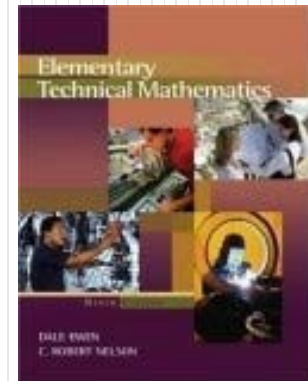
December 17, 2008 (70)



Math 1



Math 2



Applied Math



# Math 1 – Daily Summary

- **Announcements**

- **RETEST on Chapter 8 (Exponents) Tomorrow**
- Origami until Christmas Break (pending test outcome)

- **Class Objectives**

- Review of Powers & Exponents
  - Sample Test

- **Assignment**

- **Sample Test (PRACTICE WORKING WITH EXPONENTS!)**



# Math 2 – Daily Summary

- **Announcements**

- **TEST on Chapter 6 on Friday**
- Origami on Monday & Tuesday Next Week

- **Class Objectives**

- Properties of “Special” Parallelograms
  - Rhombus, Rectangle & Square

- **Assignment**

- **Proof:** Prove (Flowchart) that the diagonals of a Rhombus are Perpendicular Bisectors.
- **Lesson 6.5:** 1-17 + **Improving Algebra Skills** (pg. 316)



# Definition Review

- **Rhombus**

- A Rhombus is a parallelogram with all sides congruent.

- **Rectangle**

- A Rectangle is an equiangular parallelogram.

- **Square**

- A Square is an Equiangular Rhombus, or
- A Square is an Equilateral Rectangle.

# “Special” Parallelogram Conjectures



- **Perpendicular Bisectors**

- The diagonals of a rhombus are perpendicular bisectors.

- **Angle Bisectors**

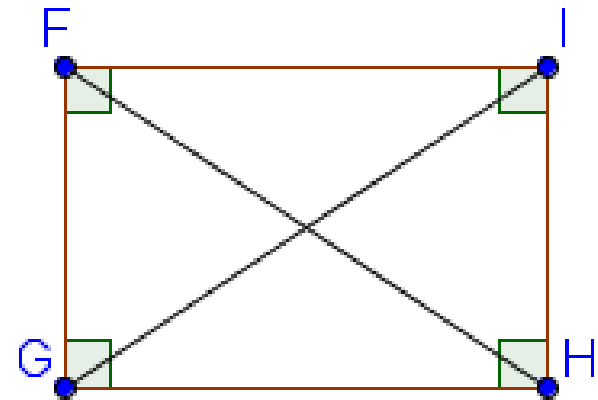
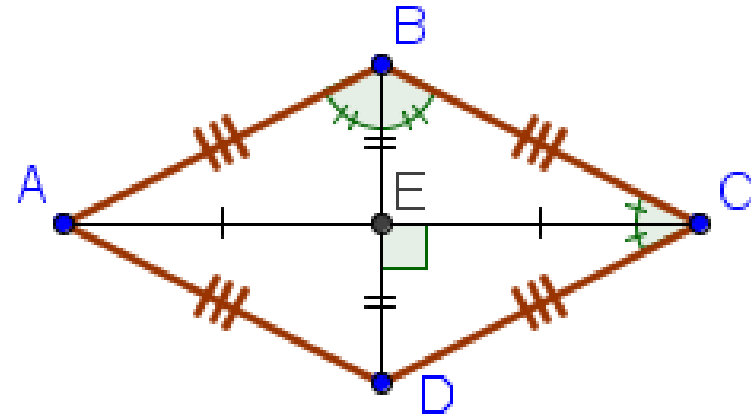
- The diagonals of a rhombus bisect the angles of the rhombus.

- **Rectangle Angles**

- The measure of each angle of a rectangle is  $90^\circ$ .

- **Rectangle Diagonals**

- The diagonals of a rectangle are congruent.



# Applied Math – Daily Summary



- **Announcements**

- None

- **Class Objectives**

- Work on “Ratio/Proportion” Project

- **Assignment**

- Continue work on “Ratio/Proportion” Project



# “Ratio/Proportion” Projects

- **The project should focus on using Ratio/Proportion in an applied situation. Some options might be:**
  - Scale Drawings (Art, Design)
    - Drawing/graph paper with colored pencils
  - Blueprint (Architecture)
    - For example, measure section of school and create blueprint
  - Scale Models (Design & Engineering)
    - Maybe use toothpicks or spaghetti with glue
  - Technical Drawings (Design & Engineering)
  - Using Maps & Models (i.e., area of US States from map)
- **Any project must specify how ratio/proportion is being used, and it should be used correctly throughout.**