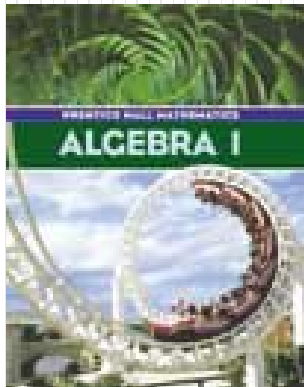
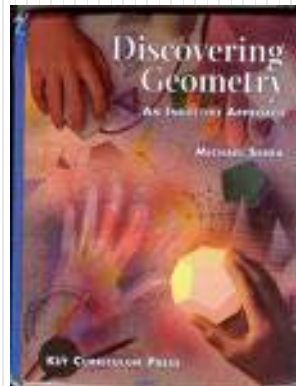


Mr. Northcutt's Math Classes Class Presentation

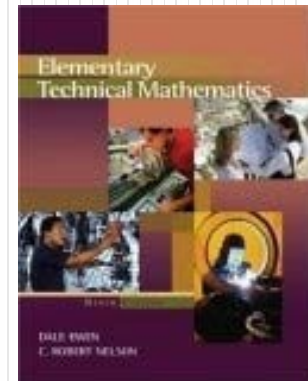
April 22, 2009 (143)



Math 1



Math 2



Applied Math



Math 1 – Daily Summary

- **Announcements**
 - Early Release Today
- **Class Objectives – What you should learn today?**
 - Introduction to Quadratic Equations
- **Assignment**
 - **Worksheet:** Graphing Quadratic Equations I



Math 2 – Daily Summary

- **Announcements**
 - **QUIZ: Sections 12.1 thru 12.3 TOMORROW**
 - Early Release Today
- **Class Objectives – What you should learn today?**
 - HW Questions???
 - Review of Similarity
 - Ratio & Proportions (Solving Proportions)
 - Similar Polygons + Shortcuts for Similar Triangles
 - Review: Parallel Lines, Inscribed Angles, Pythagorean Theorem...
- **Assignment**
 - **Lesson 12.8 (Chapter Review): 1-5, 13-20**
 - **Scale Drawing TODAY!**



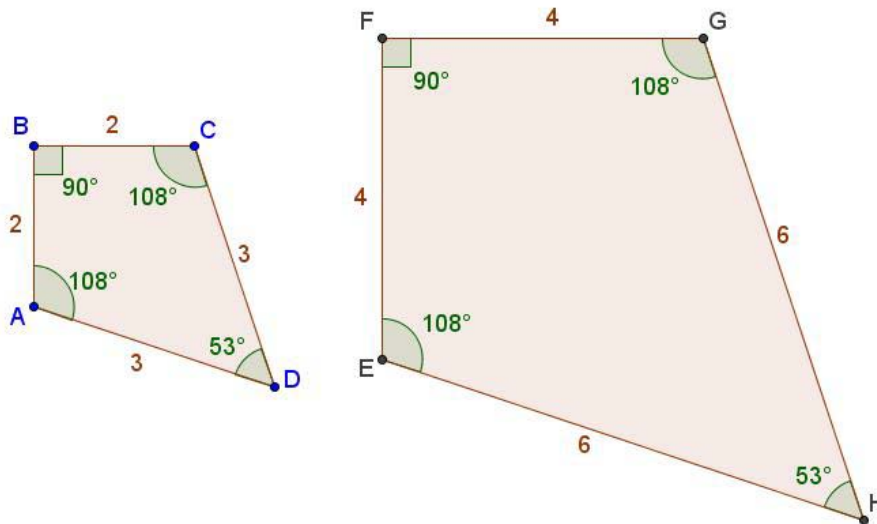
Similar Polygons

• Similar Polygons

Two polygons are similar polygons **if and only if**

- i. The corresponding angles are congruent, and
- ii. The corresponding sides are proportional.

$$ABCD \sim EFGH$$



$$\angle A \cong \angle E$$

$$\angle B \cong \angle F$$

$$\angle C \cong \angle G$$

$$\angle D \cong \angle H$$

Angles

Sides

$$\frac{AB}{EF} = \frac{BC}{FG} = \frac{CD}{GH} = \frac{DA}{HE} = \text{Constant}$$



Similar **TRIANGLE** Conjectures

- **SSS Similarity Conjecture**

- If the three sides of one triangle are proportional to the three sides of another triangle, then the two triangles are similar.

- **AA Similarity Conjecture**

- If two angles of one triangle are congruent to two angles of another triangle then the two triangles are similar.

- **SAS Similarity Conjecture**

- If two sides of one triangle are proportional to two sides of another triangle and the included angles are congruent, then the two triangles are similar.

Applied Math – Daily Summary



- **Announcements**

- **QUIZ: Chart/Graphs Basics (15.1-3 plus Excel) FRIDAY.**
- Early Release Today

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

- Work with Circle Graphs
 - Reading, Understanding and Interpreting
 - Creating a Circle Graph from Data (MS Excel)

- **Assignment**

- **Section 15.2:** 14, 19-20 (use MS Excel to create graphs)
 - Put graphs for #19 and #20 side-by-side on worksheet.