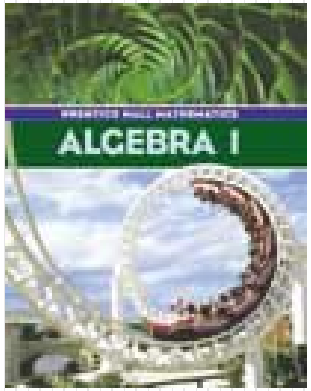
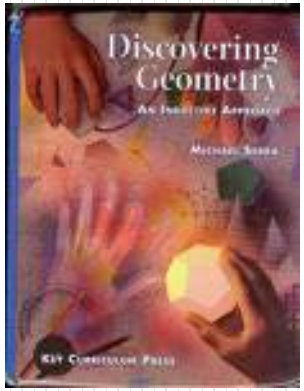
Mr. Northcutt's Math Classes
Class Presentation

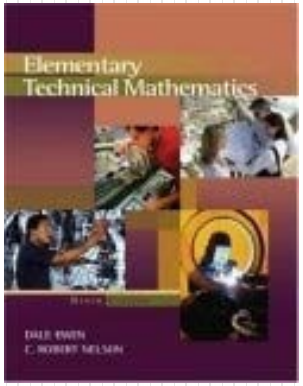
Thursday, September 25, 2008 (17)



Math 1



Math 2



Applied Math

Math 1 – Daily Summary

- **Announcements**
  - Substitute Tomorrow – Best Behavior!
  - Chapter 1 Test: Next Tuesday, 9/30
  - GET WHITEBOARDS!
- **Class Objectives**
  - Distributive Property
    - More…Identifying & Combining Like Terms (Simplification)
- **Assignment**
  - **Lesson 1-7**: 75-83 (ODD), 88-94

Review: Distributive Property

- **Do you remember how to…remove grouping symbols?**

$$2(6.4 - 0.5n)$$

$$\frac{10}{14}d(8 - 10h)$$

Review: “Like Terms”

- **Do you remember how to…combine Like Terms?**

$8m^2 - 5mz + 4zm - m^2 + 4$

$9(5+t) - 6(t+3)$

Math 2 – Daily Summary

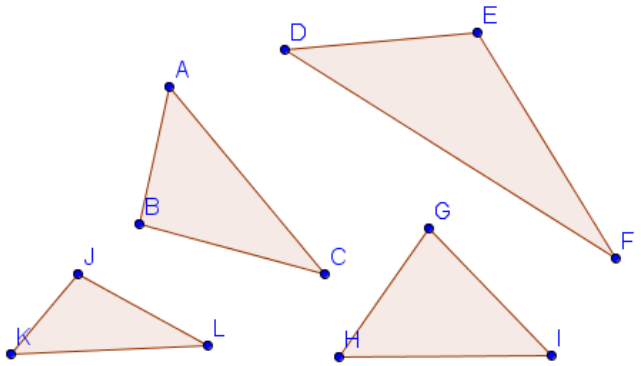
- **Announcements**
  - Substitute Tomorrow
  - Quiz Monday (Lessons 2.1 thru 2.6)
- **Class Objectives**
  - HW Review: **Polygons**
  - Polygons: **Triangles**
- **Assignment**
  - **Lesson 2.6**: 1-29, 33-36

Challenge: Polygons

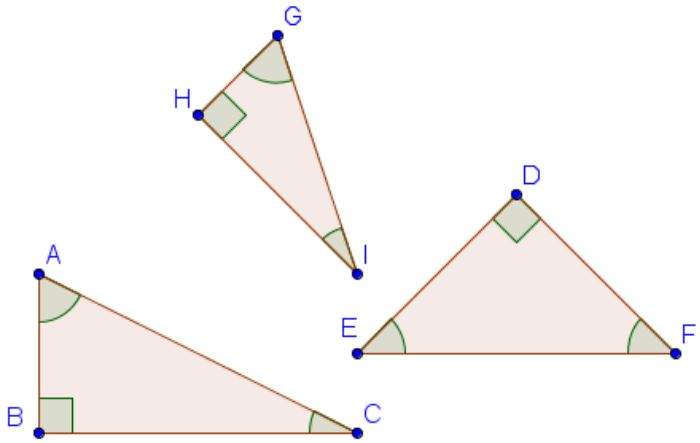
- **How many diagonals does a Polygon have if it has 500 sides?**

Triangle Definitions (1)

- **Triangle: …**

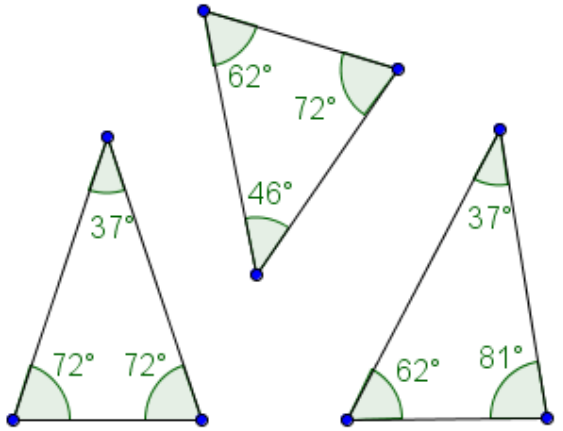


- **Right Triangle: …**

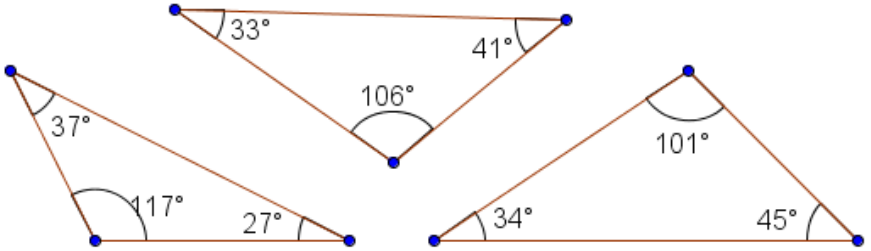


Triangle Definitions (2)

- **Acute Triangle: …**

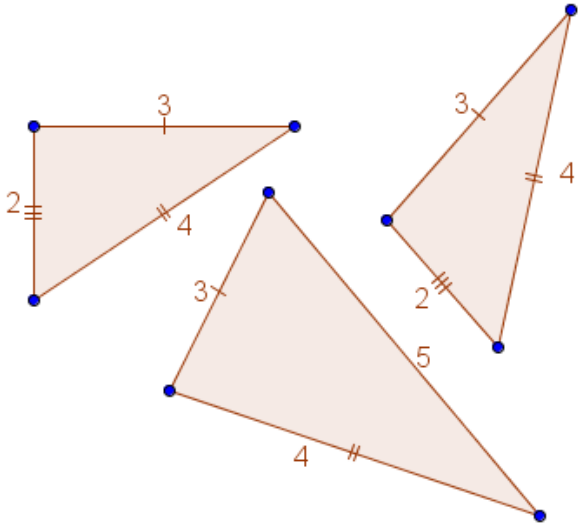


- **Obtuse Triangle: …**

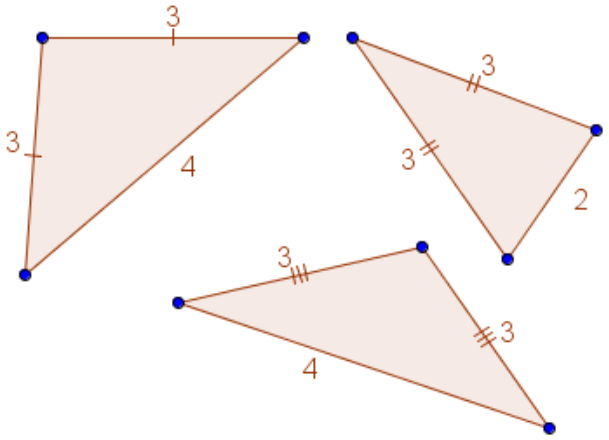


Triangle Definitions (3)

- **Scalene Triangle: …**

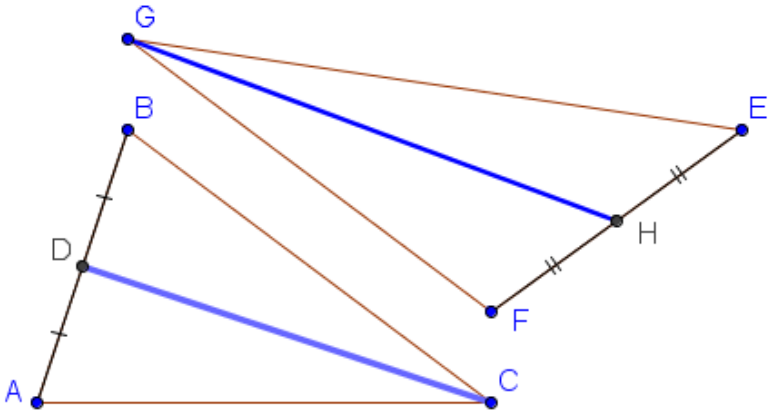


- **Isosceles Triangle: …**

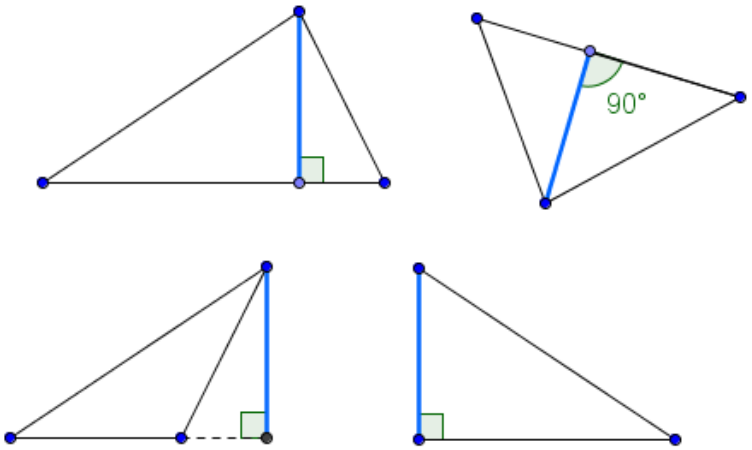


Triangle Definitions (4)

- **Median of a Triangle: …**



- **Altitude of a Triangle: …**



“School Solution”

- **Triangle**
  - A polygon with exactly 3 sides.
- **Right Triangle**
  - A triangle with one right angle.
- **Acute Triangle**
  - A triangle with all angles less than 90^{o}.
- **Obtuse Triangle**
  - A triangle with one angle greater than 90^{o}.

“School Solution”

- **Scalene Triangle**
  - A triangle with no congruent sides.
- **Isosceles Triangle**
  - A triangle with two congruent sides.
- **Median of a Triangle**
  - A line segment from the vertex of a triangle to the midpoint of the opposite side.
- **Altitude of a Triangle**
  - A line segment from the vertex of a triangle perpendicular to the opposite side (or its extension).

Applied Math – Daily Summary

- **Announcements**
  - Quiz Tomorrow (Sections 1.1 thru 1.12)
  - Substitute on Friday
- **Class Objectives**
  - Multiplying and Dividing Decimals
- **Assignment**
  - **Lesson 1.12**: 3, 9, 12, 17, 18, 25, 34, 35, 44, 47, 61

HW Review 1.11

- **3:** 3100, 3130
- **6:** 6000, 5970
- **9:** 0.1, 0.057
- **12:** 3.8, 3.765
- …
- **24:** 203
- **27:** 72
- **30:** 23.23
- **33:** 1.01

Multiplying & Dividing Decimals

42.6×1.73

$24.32 \div 6.4$

Practice

- **A gasoline station is leased for $1155/month. How much gasoline must be sold each month to make the cost of the lease equal to $0.035 per gallon?**