

Mr. Northcutt's Math Classes Class Presentation

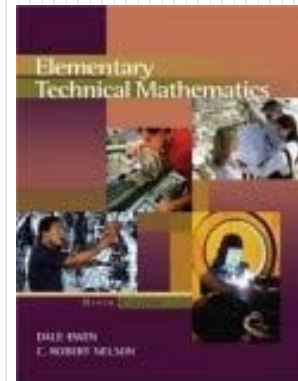
November 5, 2008 (44)



Math 1



Math 2



Applied Math



Math 1 – Daily Summary

- **Announcements**

- **1st Quarter Ends Friday**

- **All Past Due Tests or HW Must be Completed Before Friday**

- **Class Objectives**

- Chapter 3 Test

- HW Catch-Up or Computer Work After Completion

- **Assignment**

- NO HW



Math 2 – Daily Summary

- **Announcements**

- **1st Quarter Ends Friday**
 - **All Past Due Tests or HW Must be Completed Before Friday**

- **Class Objectives**

- Test Summary and Review
- Triangle Sums

- **Assignment**

- **Lesson 5.1: 1-8, 13-15**



Test Summary & Review

- **Scoring**

- Average = 41.2 (out of 57) = **72%**
- High = 56 = **98%**
- Low = 12 = **21%**

- **Areas for Improvement**

- Precision and Focus (“Quality” of Work)
 - Arithmetic
 - Negative Signs
 - Checking Answers
- Absolute Value
- Equations of a Line
- Systems of Equations

“Zen and the Art
of Motorcycle
Maintenance”



Investigation (Triangles)

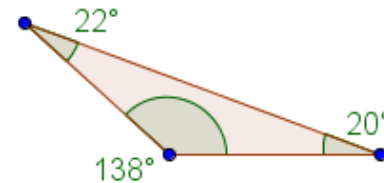
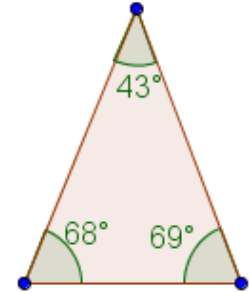
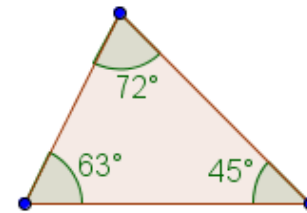
- **Get the following:**
 - Sheet of Scratch Paper (from box)
 - Scissors (drawer in back of room)
- **Cut 1 Large Triangle from the Paper**



Triangle Sum Conjectures

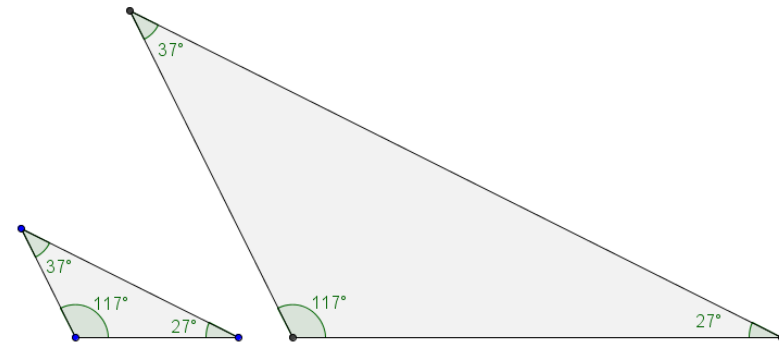
- **Triangle Sum Conjecture**

- The sum of the interior angles of a triangle is 180° .



- **Third Angle Conjecture**

- If two angles of one triangle are equal in measure to two angles of another triangle, then the third angle in each triangle is equal.



Applied Math – Daily Summary



- **Announcements**

- **1st Quarter Ends Friday**
 - **All Past Due Tests or HW Must be Completed Before Friday**

- **Class Objectives**

- Test Summary and Review
- Solving Linear Equations

- **Assignment (Write Problem-Show Work-Check-Collect)**

- **Lesson 6.3: 5-60 by 5**





Test Summary & Review

- **Scoring Summary**

- Average = 31.8 out of 40 (**79%**)
- High = 37 (**93%**)
- Low = 22 (**55%**)

- **Areas for Improvement**

- Precision and Focus (“Quality” of Work)
 - Arithmetic, Combining Like Terms
 - Negative Signs
 - Checking Answers
- Exponents (Monomials)
- Division

“Zen and the Art
of Motorcycle
Maintenance”



Solving Equations

- **To Solve means:**
 - Determine value(s) of the variable that makes the equation TRUE.
 - **“Get the Variable by Itself.”**
- **Start Simple and Build...**
 - “Undo” Operations (Inverses)
 - with Numbers
 - with Variables
 - Combining Like Terms
 - Distributive Property



“Whatever you do to one side of the equation you must do to the other!”



Solving Equations

- **Let's try a few examples.**

$$2x + 5 = 6$$

$$\frac{x}{3} - 6 = 9$$

$$5x - 4 = 8x - 13$$

$$4 - 5x = 28 + x$$

CHECK ANSWER

Substitute solution
into the original
equation and verify
it is true.