

# Mr. Northcutt's Math Classes Class Presentation

Friday, October 10, 2008 (28)



Math 1



Math 2



Applied Math

# Math 1 – Daily Summary

- **Announcements**

- **NO COMPUTER GAMES...Until 100% Class Success!**

- **Class Objectives**

- Level-Specific Worksheets

1. Integer Operations
2. Order of Operations
3. Equations I
4. Equations II

- Peer Instruction

- **Assignment**

- No HW



# Goals and Objectives

- **Class Success: Perfect Score for Everyone in the Class!**
- **Students Support Teaching!**
- **Move to the Next Level When You are Ready...**
  - 100% Correct on Worksheet (all work shown and answers checked)
  - Retest on Current Level – 100% Move to Next Level
- **NO COMPUTER USAGE until EVERYONE IS A MASTER!**

# Math 2 – Daily Summary

- **Announcements**

- None

- **Class Objectives**

- Continue Miniature Golf Project
  - By Hand (9 Holes)
  - With Geogebra (3 Holes)

- **Assignment**

- Miniature Golf (Due End of Class Friday)

# Miniature Golf

- **Course Design Requirements (Geogebra)**

- 2 (1) holes – That can be a hole-in-one with one bank
- 2 holes – That can be a hole-in-one with double bank.
- 2 (1) holes – That can be a hole-in-one with a triple bank.
- 2 holes – That can be a hole-in-one with a quadruple bank.
- 1 (1) hole – That can be a hole-in-one with a bank of five.

- **Scoring Rubric**

- Reflections are Mathematically/Geometrically Correct (ball bounces correctly)
- Fulfills the Design Requirements (above)
- Creativity
- Quality of Drawings/Artwork
- Appropriate Use of Class Time

# Applied Math – Daily Summary

- **Announcements**

- Chapter 3 (Metric System) Test on Monday

- **Class Objectives**

- Metric and US Conversion
  - More Dimensional Analysis

- **Assignment**

- **Lesson 3.7:** 12-36 EVEN, 37, 38, 52, 54

# Example – Dimensional Analysis

- **Change 165 lb/in<sup>2</sup> to kg/cm<sup>2</sup>**

- 1 kg = 2.20 lb
- 1 in = 2.54 cm

Conversion  
Factors in Text

$$\frac{165 \cancel{\text{lb}}}{1 \cancel{\text{in}}^2} \times \frac{1 \text{ kg}}{2.20 \cancel{\text{lb}}} \times \left[ \frac{1 \cancel{\text{in}}}{2.54 \text{ cm}} \right]^2 = \frac{11.6 \text{ kg}}{\text{cm}^2}$$