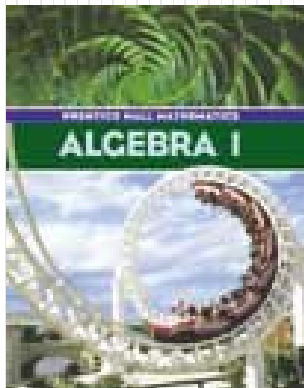
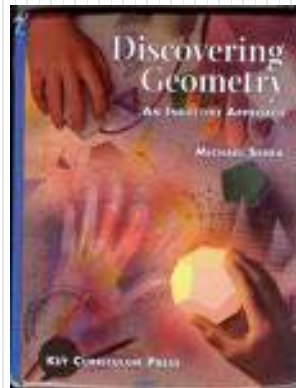


# Mr. Northcutt's Math Classes Class Presentation

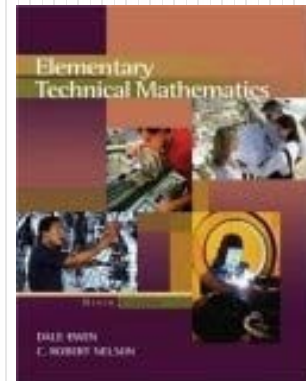
April 7, 2009 (132)



Math 1



Math 2



Applied Math



# Math 1 – Daily Summary

- **Announcements**

- I have Bus Duty - will not be in room until 3:45!
- **QUIZ: Sections 7.1 thru 7.4 on Thursday!**

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

- Worksheet/HW Feedback
- Application of Systems of Equations (“Word Problems”)

- **Assignment**

- **Worksheet:** Applications of Systems of Equations I

**See example problems  
from worksheet!**



# Worksheet Feedback

- **Worksheet was (and will be) graded in detail.**
  - **Worksheet to be handed in at END OF CLASS.**
  - **Check answers - marked wrong if wrong answer.**
  - **SHOW ALL WORK - No work, no credit.**
- 

- **Write solution to system as (x,y):**  $(3, 4)$
- **Spelling: “INFINITE”**
- **3 Options: 1 Soln. = (X,Y), “Infinite Solns.” or “No Soln.”**
  - “Undefined” is NOT an option.
- **Must solve to both X and Y (not just one value)**



# Math 2 – Daily Summary

- **Announcements**

- I have Bus Duty - will not be in room until 3:45!
- **TEST: Chapter 11 (Volume) on Monday (4/13).**

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

- Calculating the Volume of a Sphere

- **Assignment**

- **Lesson 11.7: 1-8, 10, 14-16**



# Volume of a Sphere

- **Sphere Volume Conjecture**

- The volume of a sphere with radius  $r$  is given by:

$$V = \frac{4}{3} \pi r^3$$



# Example: Volume of a Sphere

- **The base of a hemisphere has an area of  $256\text{B cm}^2$ . Find the volume of the hemisphere.**



# Example: Volume of a Sphere

- **A cylindrical glass 10 cm tall and 8 cm in diameter is filled to 1 cm from the top with water. If a golf ball 4 cm in diameter is dropped into the glass, will the water overflow?**

# Applied Math – Daily Summary



- **Announcements**

- I have Bus Duty - will not be in room until 3:45!
- **TEST: Chapter 9 (Systems of Equations) on Wednesday (4/15 - next week).**

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

- Solving Systems of Equations by Substitution

- **Assignment**

- **Worksheet:** Solving Systems by Substitution

**See example problems  
from worksheet!**