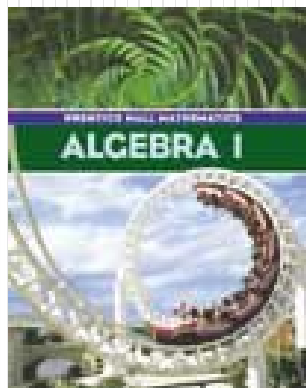
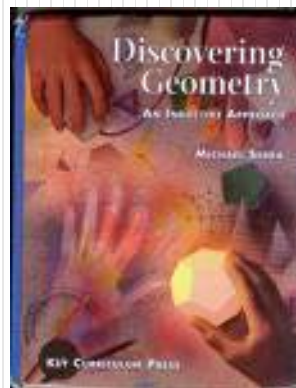


# Mr. Northcutt's Math Classes Class Presentation

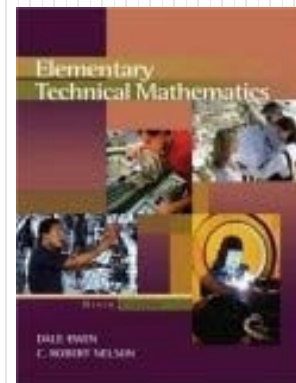
Thursday, October 23, 2008 (35)



Math 1



Math 2



Applied Math

# Math 1 – Daily Summary

Get Whiteboard!

- **Announcements**
  - Chapter 2 Test Tomorrow
  - Sample Test Available On Website
- **Class Objectives**
  - Chapter 2 Review
- **Assignment**
  - At End of Lesson

# HW Solutions – Chapter Test

**1:** -4

**3:** 63

**5:** 11

**7:** -3

**9:** 1

**11:** 11

**13:**  $x + \$25 = \$453.50;$   
 $\$428.50$

**15:**  $c + 3(c-2) = 20; \$6.50$

**17:** -2

**19:** no solution

**21:**  $x =$  quarter miles

$c =$  total cost

$c = 1.85 + 0.40x$

$\$16.45; \text{No}???$

**24:**  $\$1757$

**25:** 18, 19 and 20

**26:**  $\$178$

**27:** 5:00 pm

# Chapter 2 Review

- **The following will be on the test:**
  - Solving Equations (and Checking Answer)
    - Undo Operations (+, -,  $\times$ ,  $\div$ )
    - Distributive Property
    - Combining Like Terms
    - Eliminating Fractions and Decimals
  - Word Problems: **Words  $\rightarrow$  Variables  $\rightarrow$  Equations**
    - Rectangles
    - Numbers
    - Distance-Rate-Time
  - Formulas
    - Transforming
    - Evaluating

# Assignment

## **Complete Sample Test**

# Math 2 – Daily Summary

- **Announcements**
  - Chapter 4 Test on Monday
  - Sample Test Available on Website
- **Class Objectives**
  - Review Intersection of Lines
  - Geometric Probability
- **Assignment**
  - **Lesson 4.7:** 1-11, 16, 17

# HW Solutions – Lesson 4.6

1:  $(5/9, 20/3)$

2: In class yesterday

3:  $y = -2x + 2$

4:  $y = 2/3(x) - 13/3$

5: In class yesterday

9: See Next Slides

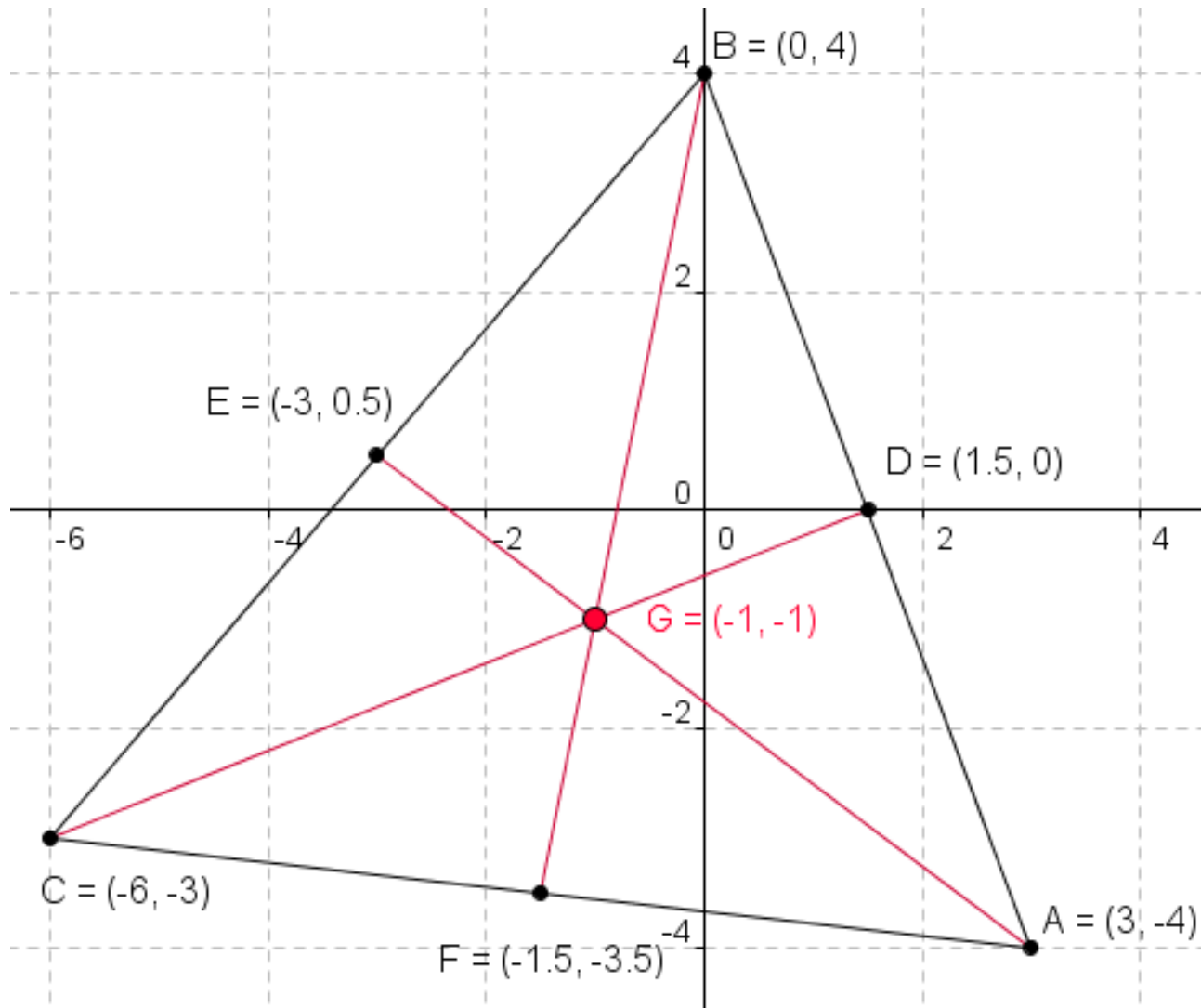
10: See Next Slides

13: Angle should be  $90^\circ$

14:  $(5,2)$  not intersection

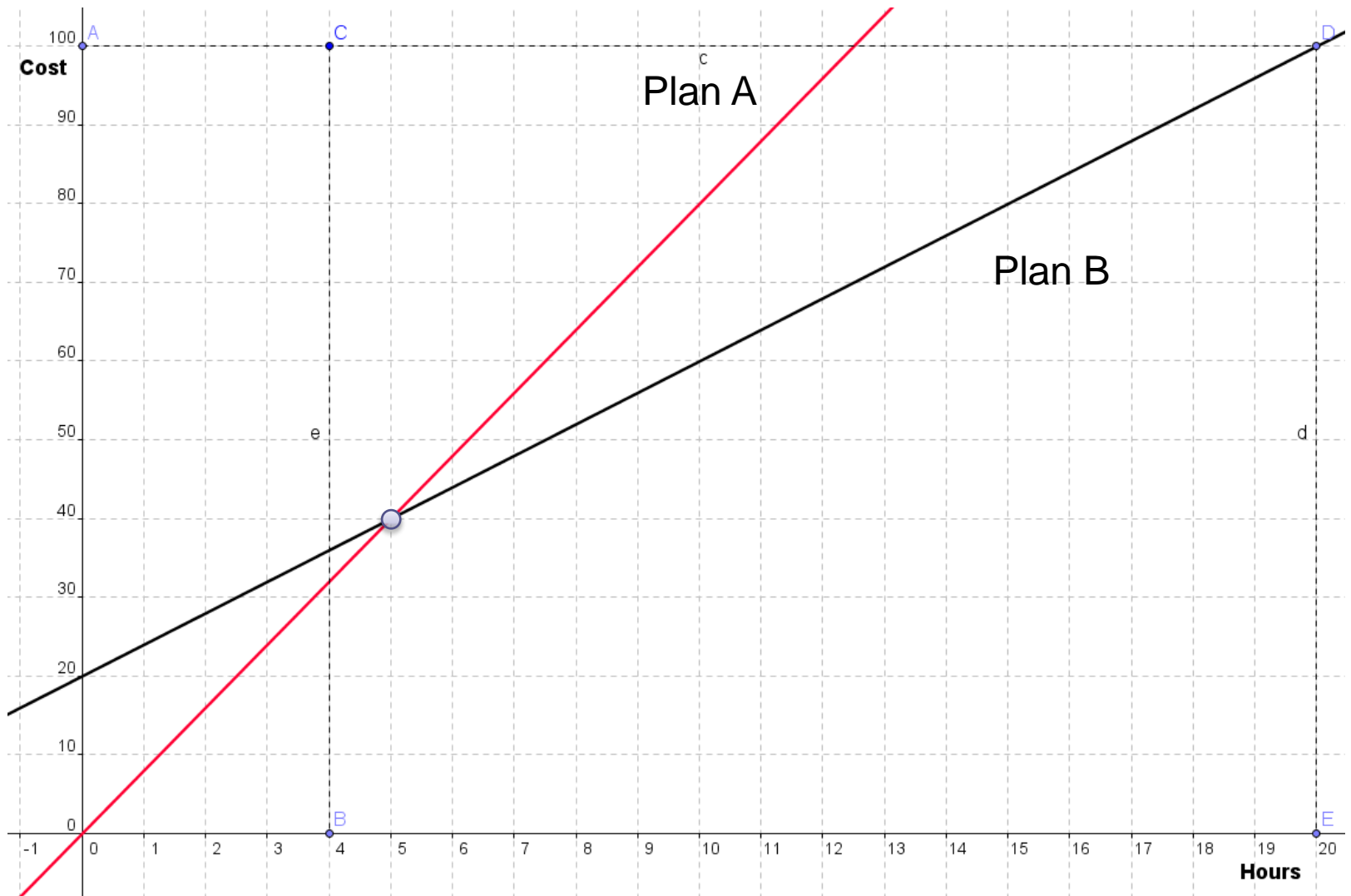
**NOT ON**  $y = 1/6(x) + 1$

# HW #9





# HW #10



# Probability

What are the chances?

What are the odds?

What's the probability?

*Dice...Cards...  
Spinning Wheels...  
Random Events*

$$\text{Probability} = \frac{\text{\# of Successful Outcomes}}{\text{\# of Possible Outcomes}}$$

Probability is a measure of the likelihood that an event will have a particular outcome.

# Probability

- **A single die?**
  - 2?
  - 2, 4 or 6?
- **Deck of Cards?**
  - 4♣
  - A♣
  - A red card?
- **Roulette?**
  - 14?
  - 00?
  - Red?
  - 1<sup>st</sup> 12?

A detailed view of a roulette betting layout. It shows a grid of numbers from 1 to 36, arranged in three columns of 12 numbers each. The numbers 0 and 00 are at the top. The layout is color-coded: red numbers (1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35) are on red backgrounds, and black numbers (2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36) are on black backgrounds. The 0 and 00 are on green backgrounds. The layout is labeled with '1st 12', '2nd 12', and '3rd 12' on the left side. The numbers 0 and 00 are labeled '0' and '00' at the top. The numbers 1-36 are labeled with their respective numbers. The layout is also labeled with '1 TO 1', '1 TO 1', and '1 TO 1' at the bottom.

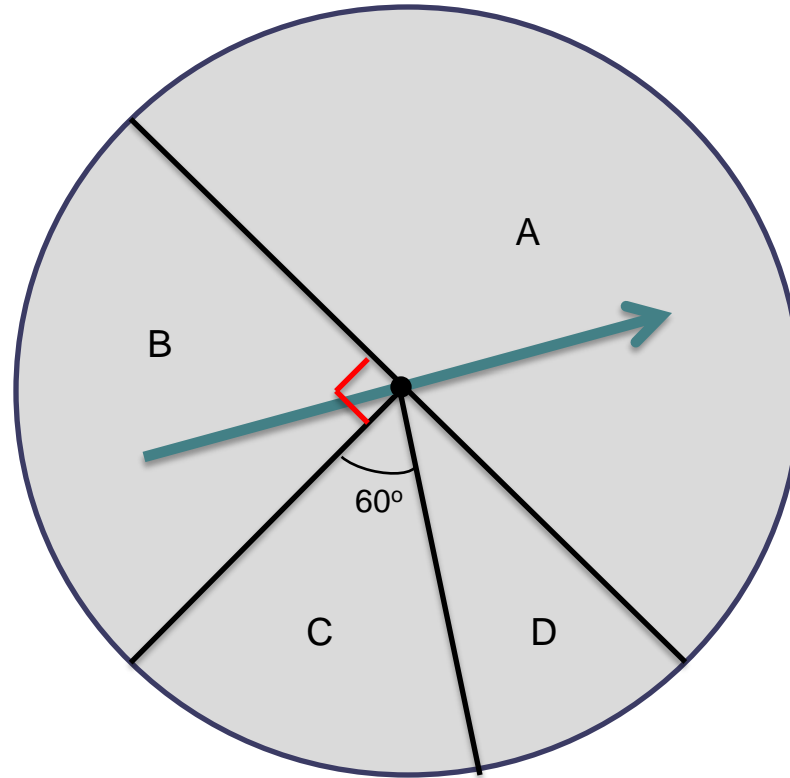
# Probability

- **What about with Two Dice?**

Total of Roll	Ways to Get	# of Ways
2	(1,1)	1
3	(1,2) (2,1)	2
4	(1,3) (2,2) (3,1)	3
5	(1,4) (2,3) (3,2) (4,1)	4
6	(1,5) (2,4) (3,3) (4,2) (5,1)	5
7	(1,6) (2,5) (3,4) (4,3) (5,2) (6,1)	6
8	(2,6) (3,5) (4,4) (5,3) (6,2)	5
9	(3,6) (4,5) (5,4) (6,3)	4
10	(4,6) (5,5) (6,4)	3
11	(5,6) (6,5)	2
12	(6,6)	1
		<b>36</b>

# Probability

- **What about a Spinning Wheel?**



# Probability

- **What about points on a Line?**



- **What is chance of randomly selecting a point on the line closer to point M (the midpoint) than to point A?**
- **What is chance of randomly selecting a point on the line closer to an endpoint than to the midpoint?**

# Applied Math – Daily Summary

- **Announcements**

- None

- **Class Objectives**

- Continue Excel Project
  - Conditional Sums
  - Charts

- **Assignment**

- Complete Part 3 of Project (if not completed in class)