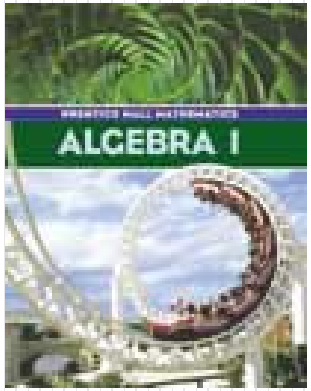
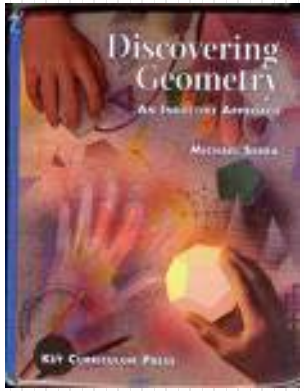
Mr. Northcutt's Math Classes
Class Presentation

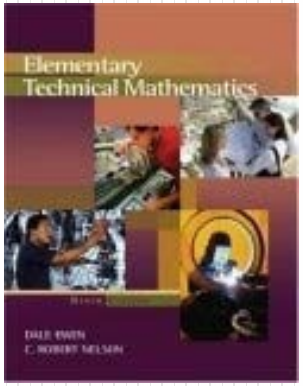
Wednesday, October 22, 2008 (34)



Math 1



Math 2



Applied Math

Math 1 – Daily Summary

Get Whiteboard!

- **Announcements**
  - Chapter 2 Test on Friday
  - Sample Test Available On Website
- **Class Objectives**
  - Review
    - More Word Problems
    - Solving Equations – The “Easy” Stuff
- **Assignment**
  - At End of Lesson

HW Solutions – Lesson 2-6

1: r = C/(2**B**)

3: l = P/2 – w

5: h = V/(lw)

7: b1 = 2A/h – b2

9: y = -2x + 5

11: y = -4x + 3

13: y = (5x + 9)/3

15: y = (-5x+4)/4

17: x = c/d

19: z = a + y

21: t = (A – P)/(Pr)

23: p = qm/n

25: H = N/(7L); 11 ft.

Some Algebra Fun!

1. **Think of a number between 1 and 10.**
2. **Square that number.**
3. **Add the result of the square to your original number.**
4. **Divide by your original number.**
5. **Add…*(I will tell you what)***
6. **Subtract your original number.**
7. ***My turn…***

8. **The number you are thinking of is _____**

Review – Word Problems

- **Five times a number decrease by 13 is 72. What is the number?**

- **Amazon sells books for $13.50 plus $2.50 shipping charge per order. If you paid $150, how many books did you buy?**

- **Jake is chalking the perimeter of the football field. The total perimeter is 320 yds. The width is 1/3 of the length. Find the length and width of the field.**

Review – Solving Equations

- **Solve the following equations:**

$$3p + 8 - 18 = 2p + 4 + 7p + 10$$

$$\frac{4}{3}x + \frac{5}{6}x = 3$$

Assignment

Chapter Test (p. 128): 1-19, 21, 24-27

Math 2 – Daily Summary

- **Announcements**
  - Chapter 4 Test on Monday (next week)
  - Sample Test Available on Website
- **Class Objectives**
  - Intersection of Lines
- **Assignment**
  - **Lesson 4.6**: 1-5, 9, 10, 13, 14

$$y = mx + b$$

HW Solutions – Lesson 4.5

1-8: On Board as Needed

9: $y = -x + 2$

10: $y = 3/8\ x - 49/8$

11: $y = 5$

12: $y = -6/13\ x + 74/13$

13: $x = 2$

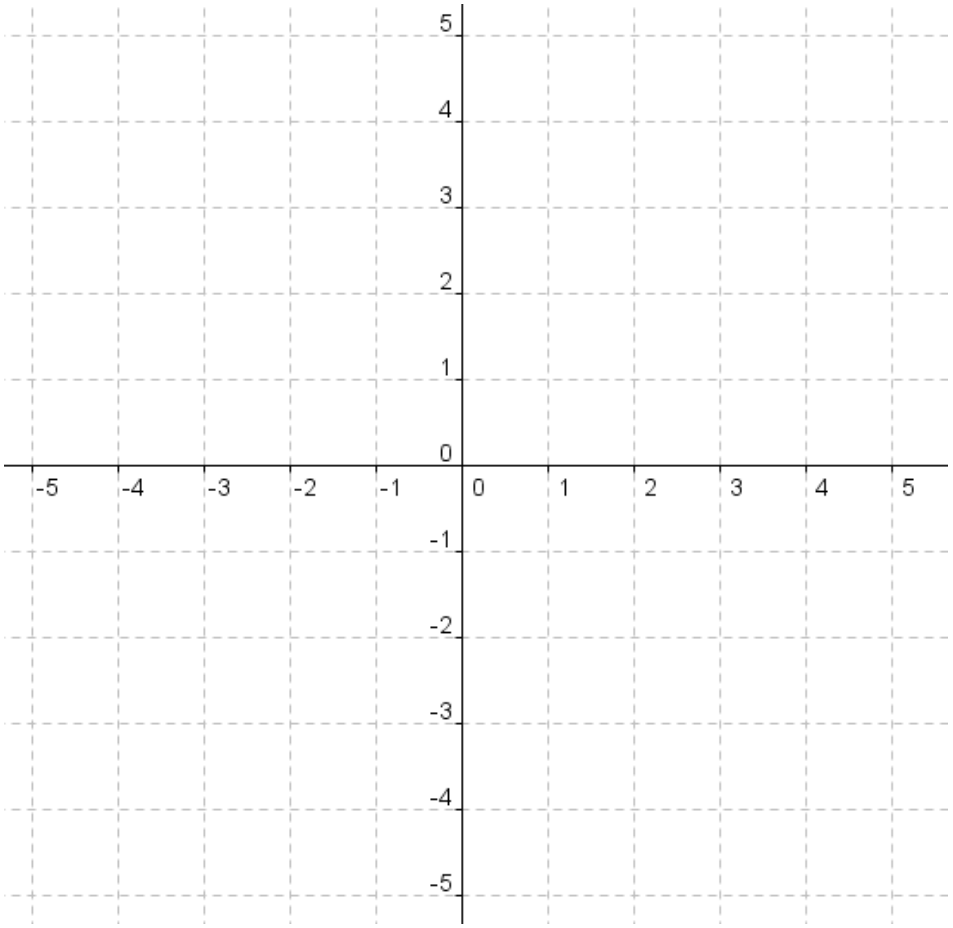
14: $y = 7x + 9$

28: $y = -4x - 3$

29: $y = -2/3\ x + 37/3$

Intersection – By Graphing

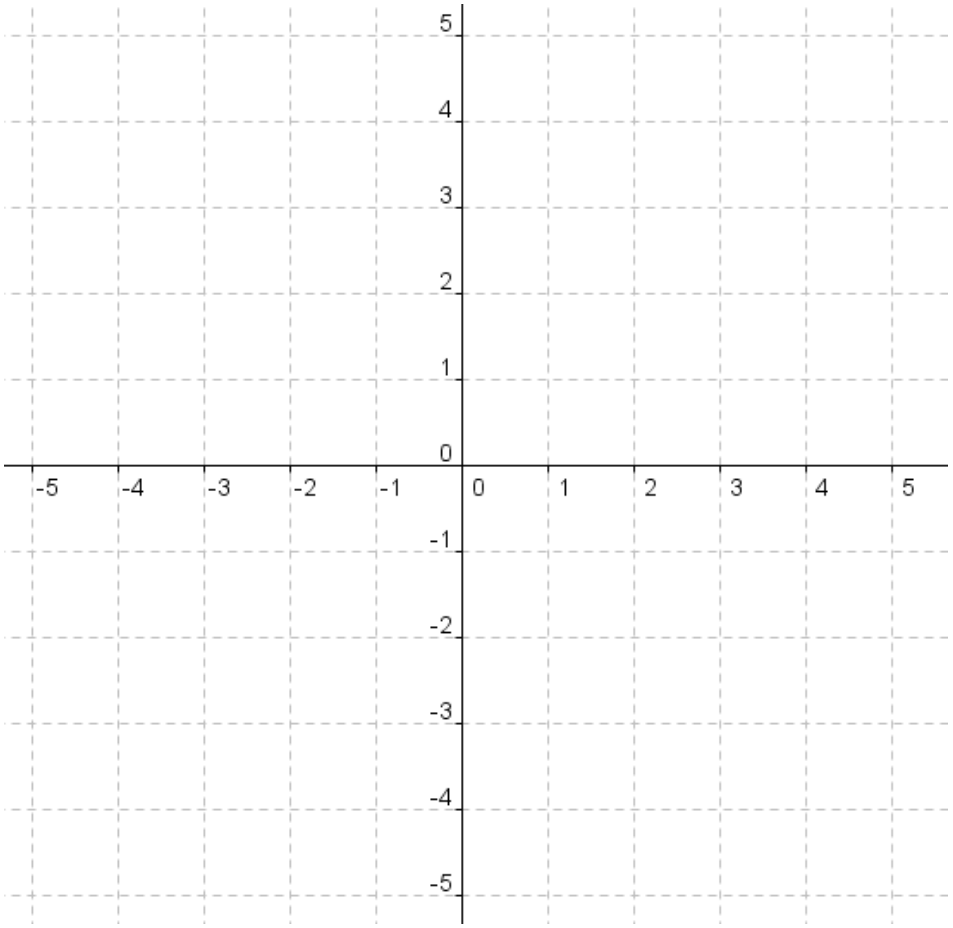
- **Graph to find the <u>point</u> of intersection of:**



$$y = 3x - 5$$
$$4x - 3y = 10$$

Intersection – With Algebra

- **Graph to find the point of intersection of:**

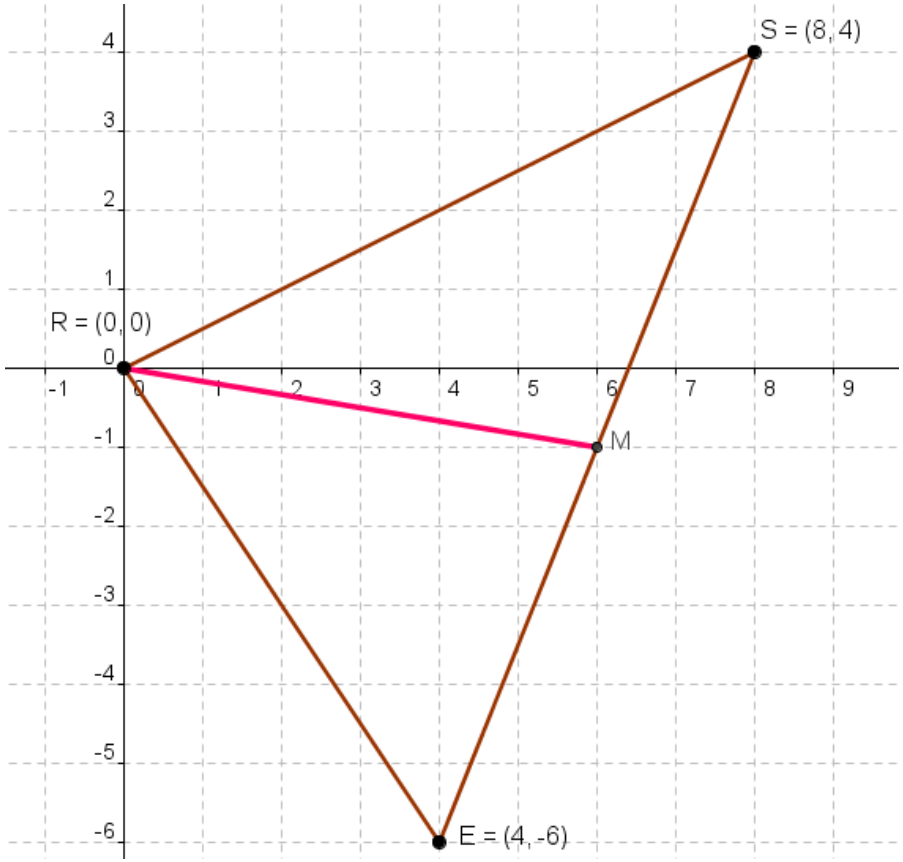


$$y = 4x - 7$$
$$12x + 2y = 1$$

System of Equations
- Graphing (Estimate)
- Substitution
- Elimination

HW #2

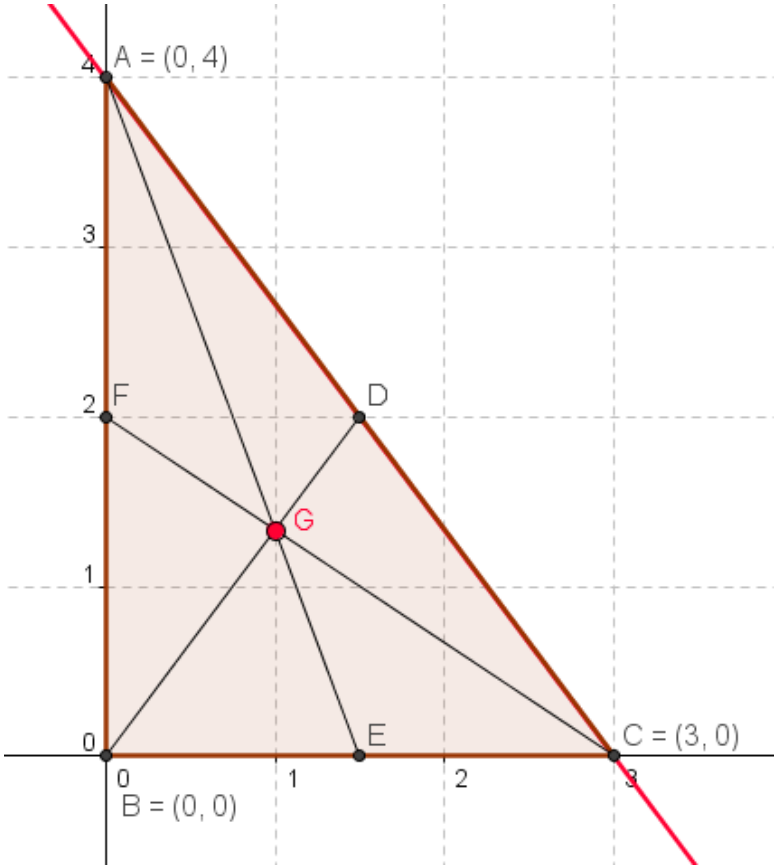
- **For ΔRES R(0,0), E(4,-6) and S(8,4). Find the equation of the line containing the median RM.**



Suggest working this in your *Notebook* along with me!

HW #5 – Centroid of a Triangle

- **The Centroid of a triangle is the point of intersection of its medians (also the center of mass).**



Find the coordinates of the centroid of the triangle formed by the x-axis, the y-axis, and the line $12x + 9y = 36$.

Applied Math – Daily Summary

- **Announcements**
  - None.
- **Class Objectives**
  - Continue Excel Project
    - Formulas!!!
- **Assignment**
  - Complete Part 2 of Project (if not completed in class)

Key Concepts

- **Calculations**
  - You can perform mathematical and logical operation in Excel using the data in the worksheet.

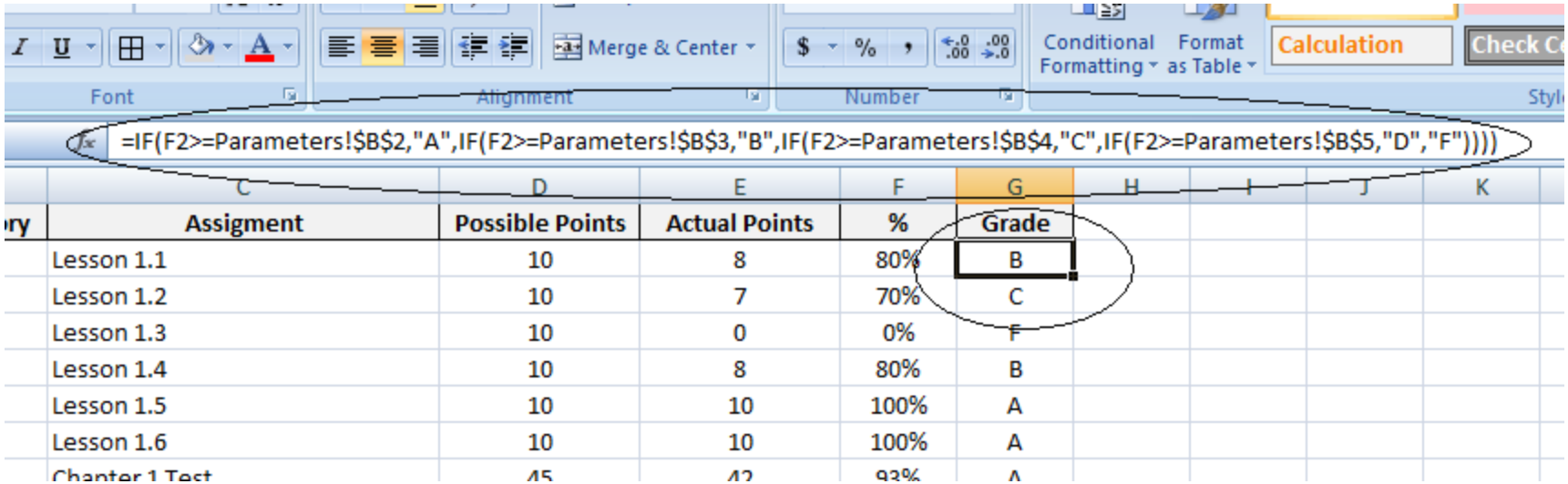
	D	E	F	G
1	Possible Points	Actual Points	%	Grade
2	10	8	80%	B
3	10	7	70%	C
4	10	0	0%	F

=E2/D2

- **Cell References**
  - Relative: A1
  - Absolute: A1
  - Other Worksheet: Parameters!B2

Key Concepts – "If-Then" Statment

- **=IF(condition, if TRUE, if FALSE)**
  - If (%>=90%, "A", ???)



Assigment	Possible Points	Actual Points	%	Grade
Lesson 1.1	10	8	80%	B
Lesson 1.2	10	7	70%	C
Lesson 1.3	10	0	0%	F
Lesson 1.4	10	8	80%	B
Lesson 1.5	10	10	100%	A
Lesson 1.6	10	10	100%	A
Chapter 1 Test	45	42	93%	A