

Mr. Northcutt's Math Classes Class Presentation

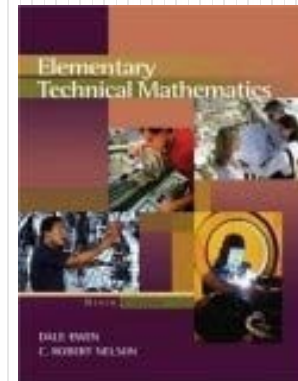
Wednesday, October 22, 2008 (34)



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: $r = C/(2B)$

3: $l = P/2 - w$

5: $h = V/(lw)$

7: $b_1 = 2A/h - b_2$

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: $H = N/(7L); 11 \text{ ft.}$

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 $\frac{1}{3}$ 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

$$y = mx + b$$

- **Assignment**

- Lesson 4.6: 1-5, 9, 10, 13, 14

HW Solutions – Lesson 4.5

1-8: On Board as Needed

9: $y = -x + 2$

10: $y = \frac{3}{8}x - \frac{49}{8}$

11: $y = 5$

12: $y = -\frac{6}{13}x + \frac{74}{13}$

13: $x = 2$

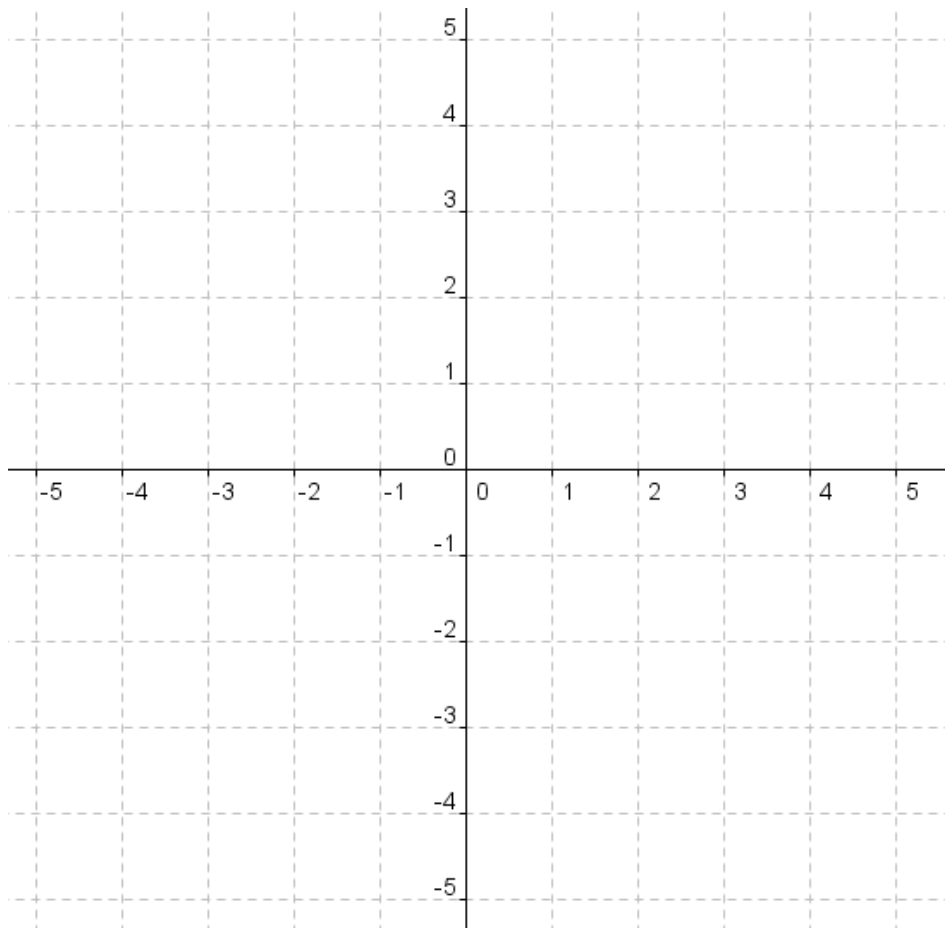
14: $y = 7x + 9$

28: $y = -4x - 3$

29: $y = -\frac{2}{3}x + \frac{37}{3}$

Intersection – By Graphing

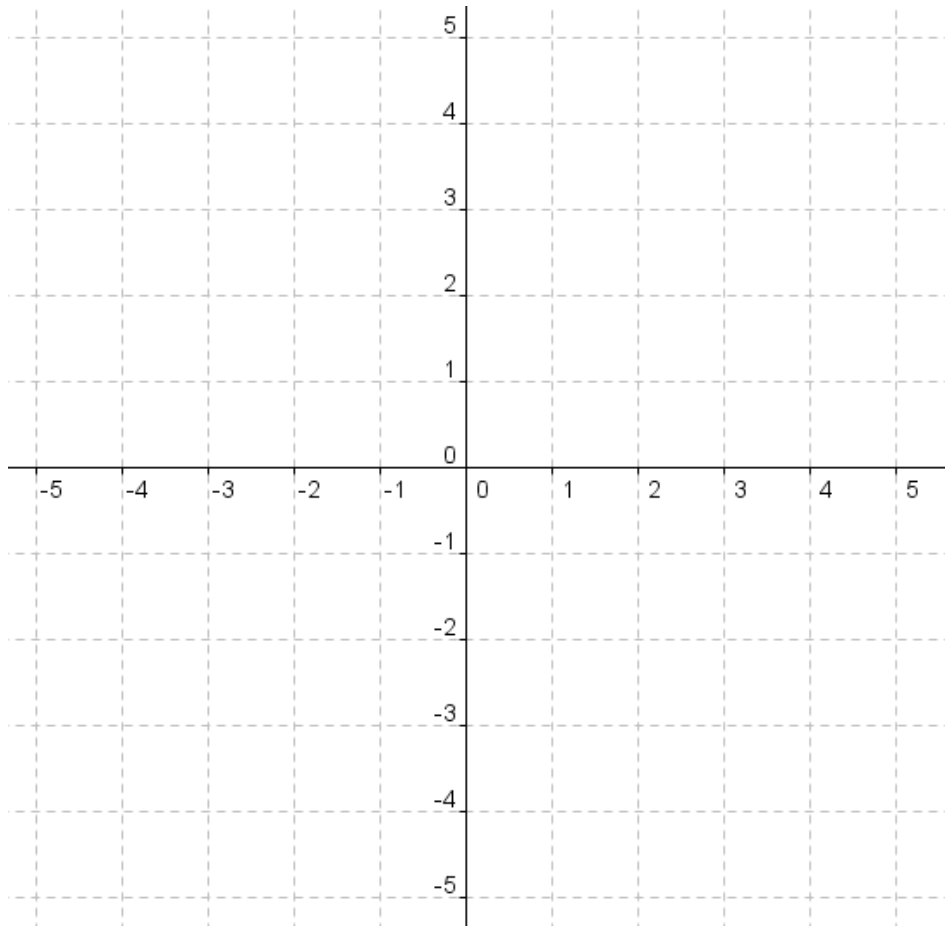
- Graph to find the point of intersection of:



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

Intersection – With Algebra

- Graph to find the point of intersection of:



$$y = 4x - 7$$

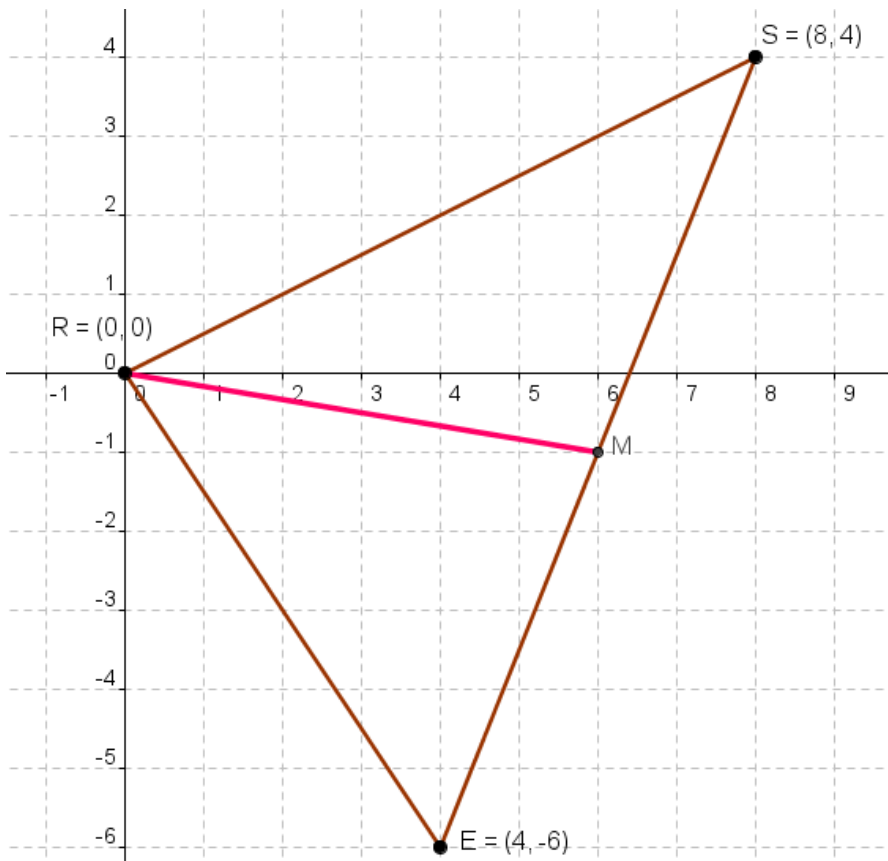
$$12x + 2y = 1$$

System of Equations

- Graphing (Estimate)
- Substitution
- Elimination

HW #2

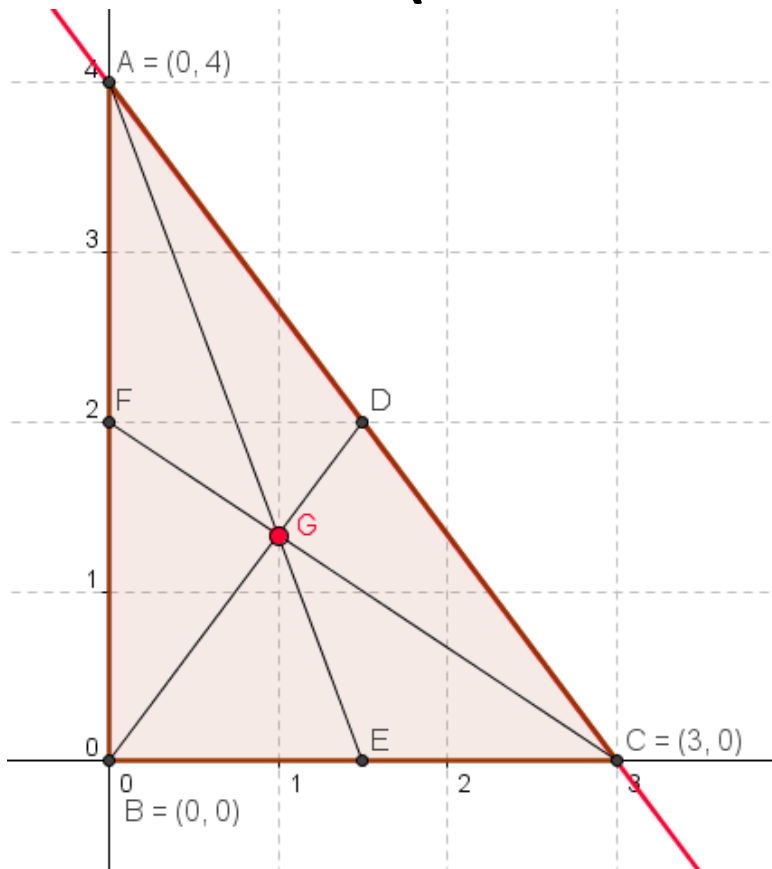
- For $\triangle RES$ $R(0,0)$, $E(4,-6)$ and $S(8,4)$. Find the equation of the line containing the median RM .



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

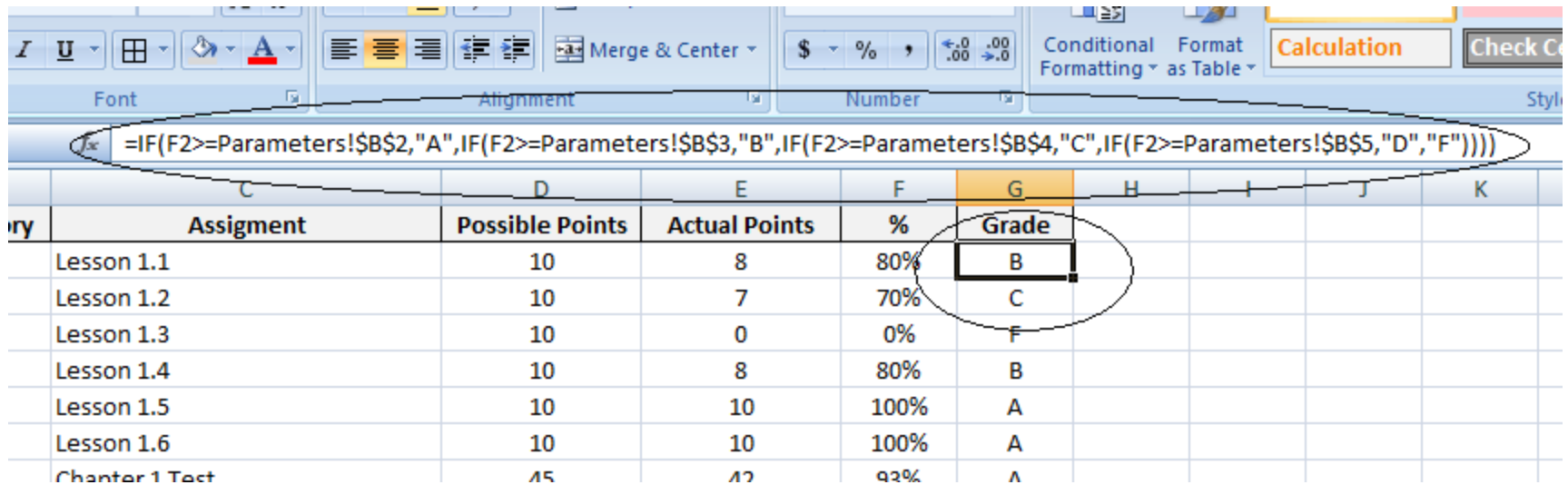
=E2/D2

- **Cell References**

- Relative: A1
- Absolute: \$A\$1
- Other Worksheet: **Parameters!\$B\$2**

Key Concepts – “If-Then” Statement

- =IF(condition, if TRUE, if FALSE)
 - If ($\% \geq 90\%$, “A”, ???)



The screenshot shows an Excel spreadsheet with the following data:

Assignment	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

The formula bar contains the following nested IF statement: `=IF(F2>=Parameters!B2,"A",IF(F2>=Parameters!B3,"B",IF(F2>=Parameters!B4,"C",IF(F2>=Parameters!B5,"D","F"))))`