

Mr. Northcutt's Math Classes Class Presentation

March 16, 2009 (121)



Math 1



Math 2



Applied Math



Math 1 – Daily Summary

- **Announcements**

- **Chapter 6 Test Tomorrow!**
- **Schedule updated thru end of 3rd Quarter (2 WEEKS Left!)**
 - Take care of missed tests and assignments...

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

- **Review: Chapter 6 - Equations of Lines**
 - Graphing Lines (from any form of equation) & Calculating Slope
 - Slope-Intercept, Standard & Point-Slope Form
 - X- and Y-Intercepts
 - Parallel and Perpendicular Lines
 - Transformation from one form of a line to another...

- **Assignment**

- **Sample Test (In-Class)**

Mr. Northcutt's Math Classes



Math 2 – Daily Summary

- **Announcements**

- **Quiz on Lesson 13.1 & 13.2 Tomorrow!**
- **Schedule updated thru end of 3rd Quarter (2 WEEKS Left!)**
 - Take care of missed tests and assignments...

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

- Understand and apply Right Angle Trigonometry
 - Definition of Sine, Cosine and Tangent plus Inverse Functions
 - Solving for “missing sides”
 - Solving for “missing angles”
 - Applications of Right Angle Trigonometry (Word Problems)

- **Assignment**

- **Sample Quiz** (in class)



Chapter 13 Review

- **Definition of Sine, Cosine and Tangent**
 - SOH-CAH-TOA, **RELATIVE TO AN ANGLE**
 - Inverse Trigonometric Functions (\sin^{-1} , \cos^{-1} and \tan^{-1})
- **Find Missing Side**
 - Trigonometric Ratios
- **Find Missing Angle**
 - Inverse Trigonometric Ratios
- **Application of Trigonometry**
 - Draw Picture
 - Apply Trigonometric Ratios and Functions

Applied Math – Daily Summary



- **Announcements**

- Schedule updated thru end of 3rd Quarter (2 WEEKS Left!)
 - Take care of missed tests and assignments...

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

- Plot points in the coordinate/number plane
- Definition & form of a Linear Equation in 2 Variables
- Understand and verify a “solution” to a Linear Equation
- Solve an equation for a single variable

- **Assignment**

- **8.1:** 4-24 by 4, 27-66 by 3

Examples: Plotting Points (just in case)

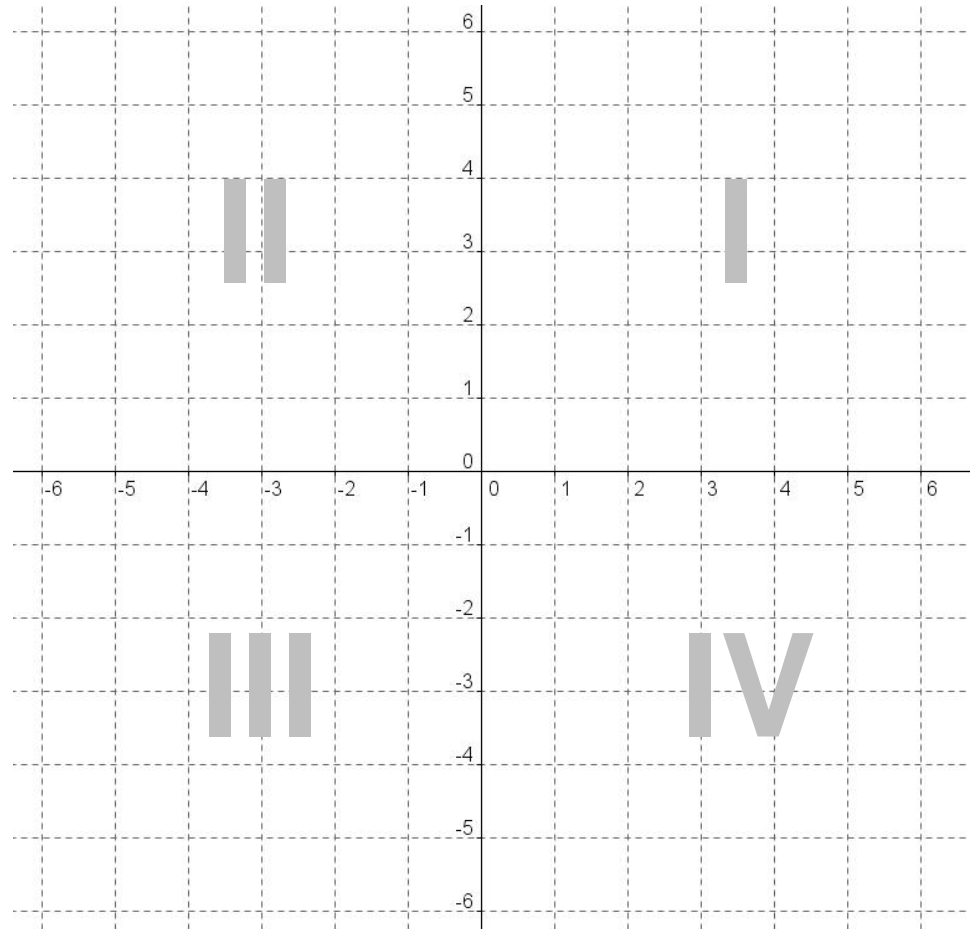
- Plot the points

$A(3, 4)$

$B(-5, 3)$

$C(1, -3)$

$D(-2, -4)$



Linear Equations and their Solutions



- A **LINEAR EQUATION** in *two variables* can be written:

$$Ax + By = C$$

- Consider possible **SOLUTIONS** for x & y in:

$$x + y = 7$$

- What does it mean to be a solution?
- How do you write the solution?
- How many solutions are there?
- How do you **CHECK** if a “potential” solution works?



Examples: Complete the Solution

- **Complete the Ordered Pairs to create a Solution:**

$$6x + 2y = 10$$

$$(2, \quad)$$

$$(0, \quad)$$

$$(\quad , 11)$$

Examples: Solve for y (in terms of x)



- **Complete the Ordered Pairs to create a Solution:**

$$4x - 5y = 10 \qquad -2x - 3y = -15$$