

Test #2 - Tuesday, 17 September

Today in class:

- Work on **Khan Academy**
 - Solutions to linear equations
 - midpoint, distance, slope
 - x- and y-intercepts
 - graphing lines
 - functions, domain, range
 - systems of equations
- Work practice problems from Old Test #2 plus Systems of Equations (on Old Test #3)

<http://www.asms.net/brewer/algebra/2010fall-intermediatealgebra-test2.pdf>

The screenshot shows a navigation menu with the following items:

- Algebra
- Calcu
- Special Notation
- Algebra Notes
- Graphing Notes (same as Precal Pt. 1)
- Intermediate Algebra:
 - Print Syllabus
 - Digital Schedule with links to Khan Academy
 - Final Exam Practice Problems
 - Old Tests: Test 1 Test 2 Test 3 Test 4
- Accelerated Algebra:
 - Syllabus
 - Old Tests: Test 1 Test 2 Test 3 Test 4
- BC Calcu
- Trigonometry
- Visua
- Syllabus
- Syllabus

A red arrow points to the 'Accelerated Algebra' section.

3.1	The Rectangular Coordinate System	<ul style="list-style-type: none"> • Graphing points • Graphing points and naming quadrants • Points on the coordinate plane • Coordinate plane word problems • Reflecting points • Midpoint formula • Distance Formula
3.2	Introduction to Functions	<ul style="list-style-type: none"> • Dependent and independent variables • Understanding function notation • Recognizing functions • Recognizing functions 2 • Domain of a function • Range of a function • Domain and range • Views of a function
3.3	Linear Functions	<ul style="list-style-type: none"> • Solving for the x-intercept • Solving for the y-intercept • Graphing linear equations • Slope-intercept form • Point-slope form • Converting between slope-intercept and standard form • Converting between point-slope and slope-intercept • Finding the equation of a line • Equations from tables
3.4	Slope of a Straight Line	<ul style="list-style-type: none"> • Graphs of inequalities • Graphing linear inequalities • Graphing and solving linear inequalities • Comparing linear functions • Comparing linear functions applications • Linear and nonlinear functions
3.5	Finding Equations of Lines	<ul style="list-style-type: none"> • Rates and proportional relationships • Analyzing and identifying proportional relationships • Rate problems 1 • Constructing and comparing proportional relationships • Identifying slope of a line • Line graph intuition • Average rate of change
3.6	Parallel and Perpendicular Lines	<ul style="list-style-type: none"> • Equations of parallel and perpendicular lines
3.7	Inequalities in Two Variables	
4.1	Solving Systems of Linear Equations by Graphing and Substitution	<ul style="list-style-type: none"> • Graphing systems of equations • Graphical solutions to systems • Systems of equations with substitution • Systems of equations
4.2	Solving Systems of Linear Equations by Addition/Elimination Method	<ul style="list-style-type: none"> • Systems of equations with simple elimination • Systems of equations with elimination • Solutions to systems of equations • Constructing consistent and inconsistent systems • Systems of equations word problems • Graphing systems of inequalities • Graphing and solving systems of inequalities • Systems of nonlinear equations