

Math – 012 Intermediate Algebra—Spring 2009

COURSE OUTLINE

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Date 2009 Week of --	Topic	Book Section	Web Sites	Graded Homework Assignme nt
21 Jan	1.Numbers (concepts – ideas) and Numerals (symbols for the concept) Base 5 and Babylonian	Handout	http://en.wikipedia.org/wiki/Numeral_system http://en.wikipedia.org/wiki/Numeral_system#Five http://www-groups.dcs.st-and.ac.uk/~history/HistTopics/Babylonian_numerals.html	Homework 1 Due 26 Jan (But <u>not</u> <u>graded</u>) Just for fun.
26 Jan	1. Binomial Theorem and Pascal's Triangle 2.Functions	14.4 8.1, 8.2, 8.4	http://www.themathpage.com/aPrecalc/binomial-theorem.htm http://en.wikibooks.org/wiki/Algebra/Functions	Homework 2 Due 2 Feb <u>GRADED</u>
2 Feb	More on Functions: Linear, Polynomial, Absolute Value and Rational	8.4, 8.5	http://www.analyzemath.com/function/linear_functions.html http://www.purplemath.com/modules/polydefs.htm http://www.purplemath.com/modules/absolute.htm http://www.youtube.com/watch?v=NxbLXwXXp7Y&feature=related http://id.mind.net/~zona/mmts/functionInstitute/rationalFunctions/definition/definition.html	Homework 3 Due 9 Feb <u>GRADED</u>
9 Feb	1. Algebra of	Supplemental	http://www.okc.cc.ok.us/maustin/Algebra_Functions/Algebra%20of	Homework

	Functions 2. Business Applications	section 7.4 Supplemental section 8.8	%20Functions.htm http://www.socialstudieshelp.com/Economics_SupplyDemand.htm	4 Due 16 Feb <u>GRADED</u>
Monday 16 Feb	<u>Performance Opportunity 1</u>		On Line. Work independently on PO2, submit email solutions by 12 noon 17 Feb 2009	
16 Feb	1. Quadratic Equations (2nd degree Polynomials) 2. Quadratic Formula 3. Factoring	11.1, 11.3 11.4 Page 346 back of book	http://en.wikipedia.org/wiki/Quadratic_equation http://www.math.com/students/calculators/source/quadratic.htm http://www.regentsprep.org/Regents/Math/math-topic.cfm?TopicCode=factor	Homework 5 Due 23 Feb <u>GRADED</u>
23 Feb	1. Quadratic Equations and Modeling 2. Inequalities	11.2 11.5, 4.4, 9.3	http://www.math.unc.edu/Faculty/mcombs/web/alg/classnotes/quadeqapp/introquadeqapp.html (Do examples 2, 3, and 4) http://www.sosmath.com/algebra/inequalities/ineq01/ineq01.html	Homework 6 Due 2 Mar <u>GRADED</u>
2 Mar	Operations with Rational Functions	7.1 to 7.5	http://www.themathpage.com/aprecalc/rational-functions.htm	Homework 7 Due 9 Mar <u>GRADED</u>
9 Mar	Formulas, Ratio and Proportion	7.6 7.7	http://math.about.com/library/blmeasurement.htm http://www.boardofed.idaho.gov/saa/formulas.asp http://www.math.com/school/subject1/lessons/S1U2L2GL.html	Homework 8 Due 16 Mar <u>GRADED</u>
16, 17 Mar	<u>Performance Opportunity 2</u>	Friday	Testing Center, Arnold Campus or Arundel Mills Must be completed by 8 p.m. 17 Mar	
18 Mar to 30 Mar	Composite and Inverse Functions SPRING BREAK	12.1	http://www.regentsprep.org/Regents/mathb/7a3/inverselesson.htm http://www.analyzemath.com/inversefunction/Tutorials.html	Homework 9 Due 30 Mar

	23 to 29 Mar			<u>GRADED</u>
30 Mar	1. Radical Functions (Square Root etc.) 2. Working with radicals	10.4, 10.5 10.1 to 10.3	http://youtube.com/watch?v=oJLLQ2WeT5M http://www.themathpage.com/alg/simplify-radicals.htm	Homework 10 Due 6 Apr <u>GRADED</u>
6 Apr	Exponential and Logarithmic Functions	12.2, 12.3	http://www.intmath.com/Exponential-logarithmic-functions/1_Definitions-exp-log-fns.php http://www.regentsprep.org/Regents/math/algtrig/ATP8b/exponentialFunction.htm	Homework 11 Due 13 Apr <u>GRADED</u>
13 Apr	<u>Performance Opportunity 3</u>		On Line. Work independently on PO2, submit email solutions by 12 noon 14 Apr 2009	
13 Apr	More on Logarithms and Composite Functions	12.3, 12.4	http://www.youtube.com/watch?v=djR8DkQ_UU0&feature=related http://www.youtube.com/watch?v=25eh41M4jA4&feature=related	Homework 12 Due 20 Apr <u>GRADED</u>
20 Apr	Word Problems	8.2,10.5,11.3, 12.1,12.3	http://www.jimloy.com/algebra/word4.htm http://www.saab.org/mathdrills/percent.cgi http://www.cut-the-knot.org/arithmetic/WProblem.shtml	Homework 13 Due 27 Apr <u>GRADED</u>
27, 28 Apr	<u>Performance Opportunity 4</u>		Testing Center, Arnold Campus or Arundel Mills Must be completed by 8 p.m. 28 Apr	
27 Apr	Course Review			Review Problems Homework Set 14 Due 4 May <u>NOT GRADED</u>
4 May	Practice Final Exam Perusal			
11, 12, 13 May	Final Exam		Taken In testing centers. Two Hours duration. Must be completed by 8 p.m 13 May 2009	

