8/29/03

## MA 1010 ALGEBRA/TRIGONOMETRY REVIEW SYLLABUS

11 QUIZ 2

1

24	<b>Factoring Polynomials</b> (Factoring Out the Greatest Common Factor (GCF), Factoring Out the Opposite of the GCF. Factoring the Difference of Two
	Squares, Factoring Perfect Square Trinomials, Factoring a Difference or Sum
	of Two Cubes, Factoring a Polynomial Completely)
	READ: IA, Sec 5.5
25	Factoring Quadratics (Factoring Trinomials with Lead Coefficient 1,
	Factoring Trinomials with Lead Coefficient not 1, Trial and Error,
	Factoring by Substitution, Higher Degree and Variable Exponents)
	READ: IA, Sec 5.6
26	<b>Factoring Strategy</b> (Prime Polynomials, Factoring Polynomials Completely) READ: IA, Sec 5.7
27	Solving Equations by Factoring (The Zero Factor Property, Applications)
	READ: IA, Sec 5.8
28	
	QUIZ 5
29	Radicals
	<b>READ: IA,</b> Sec 7.1
30	Rational Exponents (Roots, Positive Rational Exponents, Negative Rational
	Exponents, Using the Rules of Exponents, Simplifying Expressions Involving Variables)
	READ: IA, Sec 7.2
31	<b>Operations with Radicals/Quotients, Powers, and Rationalizing</b>
	Denominators
	<b>READ: IA,</b> Sec 7.3/7.4
32	Solving Equations with Radicals and Exponents
	<b>READ: IA,</b> Sec 7.5
33	Complex Numbers (Definition, Addition, Subtraction, Multiplication,
	Division, Square Roots of Negative Numbers, Imaginary Solutions to
	Equations.
	READ: IA, Sec 7.6
34	QUIZ 6

35 Factoring and Completing the Square (Review of Factoring, Review of the Even Root Property, Completing the Square, Miscellaneous Equations, Imaginary Solutions) READ: IA, Sec 8.1

- 36 Quadratic Formula (Developing the Formula, Using the Formula, Number of Solutions, Applications) READ: IA, Sec 8.2
  37 Graphs of Functions and Relations (Linear and Constant Functions, Absolute Value Function, Quadratic Functions, Square Root Functions, Graphing Relations) READ: IA, Sec 9.1
  38 Transformation of Graphs (Reflecting, Translating, Stretching and Shrinking, Multiple Transformations READ: IA: Sec 9.2
- **39** Exponential Functions