Pre-Calculus 11

SECTION	TOPIC
Review	F&P 10 Review
Unit 1	*Roots and Powers*
Sec. 1.1a	Number Systems
Sec. 1.1b	Roots of Fractions
Sec. 1.2	Simplifying Radicals
Sec. 1.3	Negative Exponents
Sec. 1.4	Rational Exponents
Sec. 1.5	Exponent Laws
Test Unit 1	
Unit 2	*Factoring*
Sec. 2.1	Review of Factoring
Sec. 2.2	Factoring Special Polynomials
Sec. 2.3	Factoring Composite Quadratic Trinomials and Higher Order Polynomials
Test Unit 2	
Unit 3	*Quadratic Functions*
Sec. 3.1	Quadratics in Vertex Form Part I
Sec. 3.1	Quadratics in Vertex Form Part II
Sec. 3.1	Quadratics in Vertex Form Part III

Sec. 3.2	Quadratics in Standard Form
Sec. 3.3	Completing the Square Part I
	Word Problems
Test Unit 3	
Unit 4	*Quadratic Functions*
Sec. 4.1	Graphical Solutions of Quadratic Equations
Sec. 4.2a	Factoring Quadratics Part I
Sec. 4.2b	Factoring Quadratics Part II
Sec. 4.3a	Completing the Square Part I
Sec. 4.3b	Completing the Square Part II
Sec. 4.4	The Quadratic Formula
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Unit 5	*Radical expressions and Equations*
Sec. 5.1	Working with Radicals
Sec. 5.2	Multiplying and Dividing Radical Expressions
Sec. 5.3a	Radical Equations Part I
Sec. 5.3b	Radical Equations Part II

Test Unit 5	
Unit 6	*Rational Expressions*
Sec. 6.1	Rational Expressions
Sec. 6.2	Multiplying and Dividing Rational Expressions
Sec. 6.3	Adding and Subtracting Rational Expressions
Sec. 6.4a	Solving Rational Expressions Part I
Sec. 6.4b	Solving Rational Expressions Part II
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Unit 7	*Linear and Quadratic Inequalities*
Sec. 7.1a	Linear Inequalities in two Variables Part I
Sec. 7.1b	Linear Inequalities in two Variables Part II
Sec. 7.2	Quadratic Inequalities in one Variables Part I
Sec. 7.3a	Quadratic Inequalities in two Variables Part I
Sec. 7.3b	Quadratic Inequalities in two Variables Part II
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Unit 8	*Trigonometry*

Sec. 8.1a	Angles in Standard Position Part I
Sec. 8.1b	Angles in Standard Position Part II
Sec. 8.2a	Trigonometric Ratios of Any Angle Part I
Sec. 8.2b	Trigonometric Ratios of Any Angle Part II
Sec. 8.3a	The Sine Law
Sec. 8.3b	The Sine Law (Ambiguous Case)
Sec. 8.4	The Cosine Law
Test Unit 8	
Unit 9	*Financial Literacy*
Sec. 9.1	Simple Interest
Sec. 9.2	Compound Interest
Sec. 9.3	Annuities
Test Unit 9	
	REVIEW
Final Exam	