Course/Subject: **Applied Math II**   Grade Level/Building: **High School**   **7/00**

Note: Pre = Pre-algebra Disk;   Alg = Algebra Disk (including "Essentials")

UNIT	SKILLS	ASSESSMENT	TECHNOLOGY (Jostens)
Chapter 19 Real Numbers	• rational and irrational numbers • principal square root of monomials • operations with radicals • simplifying radicals • geometry of the circle • shaded regions	• Short answer, multiple choice • Long questions	Alg: 1.1
Chapter 13 Special Products and Factors	• prime factorization • factoring: common monomials, binomial factors of trinomials • difference of two squares • distributive property as related to factoring	• Short answer, multiple choice	Pre: F2.1 Alg: EII.B Alg: 7.2
Chapter 14 Algebraic Fractions	• reducing to lowest terms • multiply and divide fractions • add and subtract fractions with same and different monomial denominators • solving fractional equations	• Short answer	Pre: F2.1 Pre: F2.2 Alg: EII.D Alg: 8.1, 8.2
Chapter 20 Quadratic Equations	• standard form • solution by factoring • solving incomplete quadratic equations • pythagorean theorm • problem solving	• Short answer,multiple choice • Long questions	Pre: F5.3 Alg: 7.1 Alg: 10.1 (Advanced)
Chapter 18 Systems of Equations	• review Applied I topics • graphing linear inequalities	• Long questions	Alg: 5.3
Chapter 16 Statistics	• review Applied I topics • Box and Whisker Plots	• Short answer • Long questions • Projects	Pre: F6.3

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UNIT	SKILLS	ASSESSMENT	TECHNOLOGY (Jostens)
Logic **(Chapter 5 and 6)**	• closed and open sentences, negations • conjunction, disjunction, conditional, biconditional • truth tables • inverse, converse, contrapositive	• short answer • truth tables	
Probability **(Chapter 15)**	• theoretical, empirical probability • and/or , complement • tree diagrams, sample space • counting principal • permutations • probability of events jointly	• short answer • long questions	
Sets, Subsets and Problem Solving	• Venn Diagrams • problem solving • model real-life situations with appropriate functions • direct and indirect measure	• short answer • long questions	Pre: F6.1