Course/Subject: **Topics in Math**   Grade Level/Building: **High School**

8/00

UNIT	SKILLS	ASSESSMENT
Chapter 6 Algebra & Polynomials	• Exponents and Monomials • Addition, Subtraction and Multiplication of Polynomials • Factoring • Linear Equations and Problem-Solving	• Short and Long Answers
Chapter 3 Functions & Graphs	• Coordinate Plane • Relations and Functions, Inverses, Composition • Slope; Parallel and Perpendicular Lines • Equations of Lines; Inequalities; Absolute Value	• Short and Long Answers
Chapter 4 Systems of Equations and Inequalities	• Absolute Value Equations • Direct Variation • Solving Linear Systems; Graphs, Addition, Substitution • Problem-Solving, Linear Programming, Inequalities	• Short and Long Answers
Chapter 7 Rational Expressions	• Negative exponents and scientific notation • Simplifying, Multiplying, Dividing, Adding and Subtracting Rational Expressions • Complex Rational Expressions • Solving Rational Equations	• Short and Long Answers
Chapter 9 Quadratic Functions	• Graphing Quadratics, Standard Form • Quadratic Formula • Solving Equations	• Short and Long Answers

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UNIT	SKILLS	ASSESSMENT
Chapter 12 Exponential & Logarithmic Functions	• Rational Exponents, Real Exponents • Exponential and Logarithmic Functions • Properties of Logarithms, Evaluating Logarithms • Exponential and Logarithmic Equations	• Short and Long Answers
Chapter 14 Probability & Statistics	• Permutations, Combinations and Probability • Standard Deviation and Normal Distribution • Linear Scatter Plots	• Short and Long Answers
Chapter 15 Trigonometric Functions	• Angle Measures • Definitions of Functions • Functions of Special Angles • Graphs of trig Functions • Solving Triangles • Law of Sines; Law of Cosines • Problem-Solving	• Short and Long Answers
Chapter 8 Irrational & Complex Numbers	• Roots and Radicals • Multiplying, Dividing, Adding and Subtracting Radicals • Solving Equations with Radicals • Imaginary and Complex Numbers • Addition, Subtraction, Multiplication and Division of Complex Numbers	• Short Answer, Multiple Choice • Long Answer