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| **Unit 1 (NO CALCULATOR ALLOWED)**  Module 1: Whole Numbers   * Topic 1.1 Whole Numbers * Topic 1.2 Rounding * Topic 1.3 Adding Whole Numbers; Estimation * Topic 1.4 Subtracting Whole Numbers * Topic 1.5 Basic Problem Solving * Topic 1.6 Multiplying Whole Numbers   -Module 1 Quiz  Module 2: More Whole Numbers   * Topic 2.1 Dividing Whole Numbers * Topic 2.2 More with Multiplying and Dividing * Topic 2.3 Exponents * Topic 2.4 Order of Operations and Whole Numbers * Topic 2.5 More Problem Solving   -Module 2 Quiz  Module 3: Factors and Fractions   * Topic 3.1 Factors * Topic 3.2 Prime Factorization * Topic 3.3 Understanding Fractions * Topic 3.4 Simplifying Fractions - GCF and Factors Method * Topic 3.5 Multiplying Fractions * Topic 3.6 Dividing Fractions   -Module 3 Quiz  Module 4: LCM and Fractions   * Topic 4.1 Finding the LCM - List Method * Topic 4.2 Finding the LCM - Prime Factor Method * Topic 4.3 Writing Fractions with an LCD * Topic 4.4 Adding and Subtracting Like Fractions * Topic 4.5 Adding and Subtracting Unlike Fractions * Topic 4.6 Changing a Mixed Number to an Improper Fraction   -Module 4 Quiz  *\*Unit 1 Exam*  **Unit 3**  Module 9: Introduction to Geometry   * Topic 9.1 Definitions and Units * Topic 9.2 Finding Perimeter * Topic 9.3 Definitions and Units * Topic 9.4 Finding Area * Topic 9.5 Definitions * Topic 9.6 Finding Circumference * Topic 9.7 Finding Area * Topic 9.8 Definitions and Units * Topic 9.9 Volume   -Module 9 Quiz  Module 10: Variables and Expressions   * Topic 10.1 Introduction to Expressions * Topic 10.2 Evaluating Algebraic Expressions * Topic 10.3 Simplifying Expressions * Topic 10.4 The Distributive Property * Topic 10.5 Simplifying Expressions with Parentheses * Topic 10.6 Translating Words into Symbols   -Module 10 Quiz  Module 11: Introduction to Polynomials and Exponent Rules   * Topic 11.1 Introduction to Polynomials * Topic 11.2 Addition of Polynomials * Topic 11.3 Subtraction of Polynomials * Topic 11.4 Product Rule for Exponents * Topic 11.5 Power Rule for Exponents   -Module 11 Quiz  Module 12: Multiplying Polynomials and Exponent Rules   * Topic 12.1 Multiplying by a Monomial * Topic 12.2 Multiplying Binomials * Topic 12.3 Multiplying Polynomials * Topic 12.4 The Quotient Rule * Topic 12.5 Integer Exponents * Topic 12.6 Scientific Notation   -Module 12 Quiz  \**Unit 3 Exam* | **Unit 2 (NO CALCULATOR ALLOWED)**  Module 5: Operations with Decimals   * Topic 5.1 Decimal Notation * Topic 5.2 Comparing Decimals * Topic 5.3 Rounding Decimals * Topic 5.4 Adding and Subtracting Decimals * Topic 5.5 Multiplying Decimals * Topic 5.6 Dividing Decimals * Topic 5.7 Converting Fractions to Decimals * Topic 5.8 Converting Decimals to Fractions   -Module 5 Quiz  Module 6: Rates and Percents   * Topic 6.1 Rates * Topic 6.2 Percent Notation * Topic 6.3 Percent and Decimal Conversions * Topic 6.4 Percent and Fraction Conversions * Topic 6.5 The Percent Equation * Topic 6.6 Percent Applications   -Module 6 Quiz  Module 7: Adding and Subtracting with Real Numbers   * 7.1 Intro to Real Numbers * 7.2 Graphing Rational Numbers Using a Number Line * 7.3 Finding the Absolute Value of a Real Number * 7.4 Adding Real Numbers with the Same Sign * 7.5 Adding Real Numbers with Different Signs * 7.6 Finding the Opposite of a Real Number * 7.7 Subtracting Real Numbers   -Module 7 Quiz  Module 8: Multiplying and Dividing with Real Numbers   * Topic 8.1 Multiplying Real Numbers * Topic 8.2 Finding the Reciprocal of a Real Number * Topic 8.3 Dividing Real Numbers * Topic 8.4 Exponents and the Order of Operations   -Module 8 Quiz  *\*Unit 2 Exam*  **Unit 4**  Module 13: Introduction to Solving Linear Equations   * Topic 13.1 Translating Words into Equations * Topic 13.2 Linear Equations and Solutions * Topic 13.3 Using the Addition Property of Equality * Topic 13.4 Using the Multiplication Property of Equality * Topic 13.5 Using the Addition and Multiplication Properties Together   -Module 13 Quiz  Module 14: Solving More Linear Equations and Inequalities   * Topic 14.1 Solving Equations with Variables on Both Sides * Topic 14.2 Solving Equations with Parentheses * Topic 14.3 Solving Equations with Fractions * Topic 14.4 Solving a Variety of Equations   -Module 14 Quiz  Module 15: Linear Inequalities, Proportion, and Variation   * Topic 15.1 Solving Equations and Formulas for a Variable * Topic 15.2 Solving and Graphing Linear Inequalities * Topic 15.3 Proportions * Topic 15.4 Direct Variation * Topic 15.5 Inverse Variation * Topic 15.6 Applications   -Module 15 Quiz  Module 16: Roots and Radicals   * Topic 16.1 Square Roots * Topic 16.2 Higher-Order Roots * Topic 16.3 Simplifying Radical Expressions * Topic 16.4 Rational Exponents * Topic 16.5 The Pythagorean Theorem * Topic 16.6 The Distance Formula   -Module 16 Quiz  \*Unit 4 Exam |
| **Unit 5**  Module 17: Introduction to Graphing Linear Equations   * Topic 17.1 The Rectangular Coordinate System * Topic 17.2 Graphing Linear Equations by Plotting Points * Topic 17.3 Graphing Linear Equations Using Intercepts * Topic 17.4 Graphing Linear Equations of the Form x=a, y=b, and y=mx   -Module 17 Quiz  Module 18: Slope and the Equation of a Line   * Topic 18.1 The Slope of a Line * Topic 18.2 Slope-Intercept Form * Topic 18.3 Graphing Lines Using the Slope and y-lntercept   -Module 18 Quiz  Module 19: Writing the Equations of a Line   * Topic 19.1 Writing Equations of Lines Using a Point and Slope * Topic 19.2 Writing Equations of Lines Using Two Points * Topic 19.3 Writing Equations of Parallel and Perpendicular Lines * Topic 19.4 Graphing Linear Inequalities in Two Variables * -Module 19 Quiz   Module 20: Introduction to Functions   * Topic 20.1 Relations and Functions * Topic 20.2 The Vertical Line Test * Topic 20.3 Function Notation * Topic 20.4 Evaluating Functions   -Module 20 Quiz  \*UNIT 5 EXAM  **Unit 7**  Module 25 Multiplying and Dividing Polynomials   * Topic 25.1 Multiplying the Sum and Difference of Two Terms * Topic 25.2 Squaring Binomials * Topic 25.3 Dividing a Polynomial by a Monomial * Topic 25.4 Dividing a Polynomial by a Binomial   -Module 25 Quiz  Module 26 Factoring Polynomials   * Topic 26.1 Greatest Common Factor * Topic 26.2 Factoring by Grouping * Topic 26.3 Factoring Trinomials of the Form x2 + bx + c * Topic 26.4 Factoring Trinomials of the Form ax2 + bx + c * Topic 26.5 More Factoring of Trinomials   -Module 26 Quiz  Module 27 More Factoring and Quadratic Equations   * Topic 27.1 Special Cases of Factoring * Topic 27.2 Factoring Polynomials * Topic 27.3 Solving Quadratic Equations by Factoring * Topic 27.4 Applications   -Module 27 Quiz  Module 28 Introduction to Rational Expressions   * Topic 28.1 Undefined Rational Expressions * Topic 28.2 Simplifying Rational Expressions * Topic 28.3 Multiplying Rational Expressions * Topic 28.4 Dividing Rational Expressions   -Module 28 Quiz  Module 29 Adding and Subtracting Rational Expressions   * Topic 29.1 Adding Like Rational Expressions * Topic 29.2 Subtracting Like Rational Expressions * Topic 29.3 Finding the Least Common Denominator for Rational Expressions * Topic 29.4 Adding and Subtracting Unlike Rational Expressions   -Module 29 Quiz  \*UNIT 7 EXAM | **Unit 6**  Module 21: U.S. and Metric Measurement   * Topic 21.1 U.S. Length * Topic 21.2 U.S. Weight and Capacity * Topic 21.3 Metric Length * Topic 21.4 Metric Mass and Capacity * Topic 21.5 Converting between U.S. and Metric Units * Topic 21.6 Time and Temperature   -Module 21 Quiz  Module 22: Solving Systems of Linear Equations   * Topic 22.1 Introduction to Systems of Linear Equations * Topic 22.2 Solving by the Graphing Method * Topic 22.3 Solving by the Substitution Method * Topic 22.4 Solving by the Elimination Method * Topic 22.5 Applications of Systems of Linear Equations   -Module 22 Quiz  Module 23: Statistics   * Topic 23.1 Bar Graphs * Topic 23.2 Line Graphs * Topic 23.3 Circle Graphs   -Module 23 Quiz  Module 24: More Statistics   * Topic 24.1 Mean * Topic 24.2 Median * Topic 24.3 Mode * Topic 24.4 Basic Probability and Statistics   -Module 24 Quiz  \*UNIT 6 EXAM    **Unit 8**  Module 30 Complex Rational Expressions and Rational Equations   * Topic 30.1 Simplifying Complex Rational Expressions by Adding and Subtracting * Topic 30.2 Simplifying Complex Rational Expressions by Multiplying by the LCD * Topic 30.3 Solving Rational Equations   -Module 30 Quiz  Module 31 Operations of Radical Expressions   * Topic 31.1 Adding and Subtracting Radical Expressions * Topic 31.2 Multiplying Radical Expressions * Topic 31.3 Dividing Radical Expressions * Topic 31.4 Rationalizing the Denominator * Topic 31.5 Solving Radical Equations   -Module 31 Quiz  Module 32 Solving Quadratic Equations   * Topic 32.1 Introduction to Solving Quadratic Equations * Topic 32.2 Solving Quadratic Equations by Factoring * Topic 32.3 Solving Quadratic Equations using the Square Root Property * Topic 32.4 Solving Quadratic Equations by Completing the Square * Topic 32.5 Solving Quadratic Equations using the Quadratic Formula   -Module 32 Quiz  Module 33 Graphing Quadratic Equations   * Topic 33.1 Introduction to Graphing Quadratic Equations * Topic 33.2 Finding the Vertex of a Quadratic Equation * Topic 33.3 Finding the Intercepts of a Quadratic Equation * Topic 33.4 Graphing Quadratic Equations Summary   -Module 33 Quiz  Module 34 Complex Numbers and More Quadratic Equations   * Topic 34.1 Complex Numbers * Topic 34.2 The Distriminant in the Quadratic Formula * Topic 34.3 Solving Quadratic Equations with Real or Complex Solutions   -Module 34 Quiz  \*Unit 8 Test | |