

Math 81 Refresher Course Content

- 10. Equations, Inequalities, and Applications
 - [Section 10.1: The Addition Property of Equality](#)
 - [Section 10.2: The Multiplication Property of Equality](#)
 - [Section 10.3: More on Solving Linear Equations](#)
 - [Section 10.4: An Introduction to Applications of Linear Equations](#)
 - [Section 10.5: Formulas and Applications from Geometry](#)
 - [Section 10.6: Solving Linear Inequalities](#)
 - [Section 10.7: Compound Inequalities](#)
 - [Section 10.8: Absolute Value Equations](#)
 - [Section 10.9: Absolute Value Inequalities](#)
- 11. Graphs of Equations, Functions, and Inequalities in Two Variables (partially included)
 - [Section 11.1: Reading Graphs: Linear Equations in Two Variables](#)
 - [Section 11.2: Graphing Linear Equations in Two Variables](#)
 - [Section 11.3: Slope of a Line](#)
 - [Section 11.4: Equations of Lines](#)
 - [Section 11.5: Graphing Linear Inequalities in Two Variables](#)
 - [Section 11.6: Introduction to Functions](#)
 - [Section 11.7: Graphing Linear Functions](#)
 - [Section 11.8: Piecewise-Defined Functions; Shifting & Reflecting Graphs](#)
 - [Section 11.9: Distance and Midpoint Formulas; Circles](#) (partially included)
 - [Section 11.10: More on Functions and Their Graphs](#)
- 12. Exponents and Polynomials
 - [Section 12.1: Adding and Subtracting Polynomials](#)
 - [Section 12.2: The Product Rule and Power Rules for Exponents](#)
 - [Section 12.3: Multiplying Polynomials](#)
 - [Section 12.4: Special Products](#)
 - [Section 12.5: Integer Exponents and the Quotient Rule](#)
 - [Section 12.6: Dividing a Polynomial by a Monomial](#)
 - [Section 12.7: Dividing a Polynomial by a Polynomial](#)
 - [Section 12.8: An Application of Exponents: Scientific Notation](#)
- 13. Factoring and Applications
 - [Section 13.1: Factors: The Greatest Common Factor](#)
 - [Section 13.2: Factoring Trinomials](#)

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 13.3: Factoring Trinomials by Grouping
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 13.4: Factoring Trinomials Using FOIL
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 13.5: Special Factoring Techniques
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 13.6: Solving Quadratic Equations by Factoring
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 13.7: Applications of Quadratic Equations
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	- 14. Rational Expressions and Applications (partially included)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 14.1: The Fundamental Property of Rational Expressions
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 14.2: Multiplying and Dividing Rational Expressions
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 14.3: Least Common Denominator
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 14.4: Adding and Subtracting Rational Expressions
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 14.5: Complex Fractions
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 14.6: Solving Equations with Rational Expressions
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 14.7: Applications of Rational Expressions
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 14.8: Variation
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 14.9: Dividing Polynomials: Long Division and Synthetic Division (partially included)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	- 15. Systems of Linear Equations and Inequalities (partially included)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 15.1: Solving Systems of Linear Equations by Graphing
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 15.2: Solving Systems of Linear Equations by Substitution
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 15.3: Solving Systems of Linear Equations by Elimination
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 15.4: Applications of Linear Systems
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 15.5: Solving Systems of Linear Inequalities
<input type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 15.6: Solving Systems of Linear Equations in Three Variables
<input type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 15.7: Solving Systems of Equations by Matrices
<input type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 15.8: Solving Systems of Equations Using Determinants
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	- 16. Roots, Radicals, and Complex Numbers (partially included)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 16.1: Evaluating Roots
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 16.2: Multiplying, Dividing, and Simplifying Radicals
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 16.3: Adding and Subtracting Radicals
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 16.4: Rationalizing the Denominator
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 16.5: More Simplifying and Operations with Radicals
<input type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 16.6: Solving Equations with Radicals
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 16.7: Rational Exponents
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 16.8: Rationalizing Denominators and Numerators of Radical Expressions
<input type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 16.9: Radical Equations and Problem Solving
<input type="checkbox"/>	<input checked="" type="checkbox"/>	+ Section 16.10: Complex Numbers

