

Math 90 Refresher Course Content

A  symbol indicates that an animation is available for one or more exercises in this section.
 A  symbol indicates that a video is available for one or more exercises in this section.

	Learning Aids
<input type="checkbox"/> + 1. Whole Numbers	 
<input type="checkbox"/> + 2. Multiplying and Dividing Fractions	 
<input type="checkbox"/> + 3. Adding and Subtracting Fractions	 
<input type="checkbox"/> + 4. Decimals	 
<input type="checkbox"/> + 5. Ratio and Proportion	 
<input type="checkbox"/> + 6. Percent	 
<input type="checkbox"/> + 7. Geometry and Measurement	 
<input type="checkbox"/> + 8. Statistics	 
<input checked="" type="checkbox"/> - 9. The Real Number System (partially included)	 
<input checked="" type="checkbox"/> + Section 9.1: Exponents, Order of Operations, and Inequality	
<input checked="" type="checkbox"/> + Section 9.2: Variables, Expressions, and Equations	 
<input type="checkbox"/> + Section 9.3: Real Numbers and the Number Line	 
<input type="checkbox"/> + Section 9.4: Adding Real Numbers	 
<input type="checkbox"/> + Section 9.5: Subtracting Real Numbers	 
<input type="checkbox"/> + Section 9.6: Multiplying and Dividing Real Numbers	 
<input checked="" type="checkbox"/> + Section 9.7: Properties of Real Numbers	 
<input checked="" type="checkbox"/> + Section 9.8: Simplifying Expressions	 
<input checked="" type="checkbox"/> - 10. Equations, Inequalities, and Applications	 
<input checked="" type="checkbox"/> + Section 10.1: The Addition Property of Equality	 
<input checked="" type="checkbox"/> + Section 10.2: The Multiplication Property of Equality	 
<input checked="" type="checkbox"/> + Section 10.3: More on Solving Linear Equations	 
<input checked="" type="checkbox"/> + Section 10.4: An Introduction to Applications of Linear Equations	 
<input checked="" type="checkbox"/> + Section 10.5: Formulas and Applications from Geometry	 
<input checked="" type="checkbox"/> + Section 10.6: Solving Linear Inequalities	 
<input checked="" type="checkbox"/> + Section 10.7: Compound Inequalities	
<input checked="" type="checkbox"/> + Section 10.8: Absolute Value Equations	
<input checked="" type="checkbox"/> + Section 10.9: Absolute Value Inequalities	 
<input checked="" type="checkbox"/> - 11. Graphs of Equations, Functions, and Inequalities in Two Variables (partially included)	 
<input checked="" type="checkbox"/> + Section 11.1: Reading Graphs: Linear Equations in Two Variables	 
<input checked="" type="checkbox"/> + Section 11.2: Graphing Linear Equations in Two Variables	 
<input checked="" type="checkbox"/> + Section 11.3: Slope of a Line	 

<input checked="" type="checkbox"/> +	Section 11.4: Equations of Lines	 
<input checked="" type="checkbox"/> +	Section 11.5: Graphing Linear Inequalities in Two Variables	 
<input checked="" type="checkbox"/> +	Section 11.6: Introduction to Functions	
<input checked="" type="checkbox"/> +	Section 11.7: Graphing Linear Functions	
<input checked="" type="checkbox"/> +	Section 11.8: Piecewise-Defined Functions; Shifting & Reflecting Graphs	
<input checked="" type="checkbox"/> +	Section 11.9: Distance and Midpoint Formulas; Circles (partially included)	
<input type="checkbox"/> +	Section 11.10: More on Functions and Their Graphs	
<input checked="" type="checkbox"/> -	12. Exponents and Polynomials	 
<input checked="" type="checkbox"/> +	Section 12.1: Adding and Subtracting Polynomials	
<input checked="" type="checkbox"/> +	Section 12.2: The Product Rule and Power Rules for Exponents	 
<input checked="" type="checkbox"/> +	Section 12.3: Multiplying Polynomials	 
<input checked="" type="checkbox"/> +	Section 12.4: Special Products	 
<input checked="" type="checkbox"/> +	Section 12.5: Integer Exponents and the Quotient Rule	 
<input checked="" type="checkbox"/> +	Section 12.6: Dividing a Polynomial by a Monomial	
<input checked="" type="checkbox"/> +	Section 12.7: Dividing a Polynomial by a Polynomial	 
<input checked="" type="checkbox"/> +	Section 12.8: An Application of Exponents: Scientific Notation	 
<input checked="" type="checkbox"/> -	13. Factoring and Applications	 
<input checked="" type="checkbox"/> +	Section 13.1: Factors: The Greatest Common Factor	 
<input checked="" type="checkbox"/> +	Section 13.2: Factoring Trinomials	 
<input checked="" type="checkbox"/> +	Section 13.3: Factoring Trinomials by Grouping	
<input checked="" type="checkbox"/> +	Section 13.4: Factoring Trinomials Using FOIL	 
<input checked="" type="checkbox"/> +	Section 13.5: Special Factoring Techniques	 
<input checked="" type="checkbox"/> +	Section 13.6: Solving Quadratic Equations by Factoring	 
<input checked="" type="checkbox"/> +	Section 13.7: Applications of Quadratic Equations	 
<input checked="" type="checkbox"/> -	14. Rational Expressions and Applications (partially included)	 
<input checked="" type="checkbox"/> +	Section 14.1: The Fundamental Property of Rational Expressions	 
<input checked="" type="checkbox"/> +	Section 14.2: Multiplying and Dividing Rational Expressions	 
<input checked="" type="checkbox"/> +	Section 14.3: Least Common Denominator	 
<input checked="" type="checkbox"/> +	Section 14.4: Adding and Subtracting Rational Expressions	 
<input checked="" type="checkbox"/> +	Section 14.5: Complex Fractions	 
<input checked="" type="checkbox"/> +	Section 14.6: Solving Equations with Rational Expressions	 
<input checked="" type="checkbox"/> +	Section 14.7: Applications of Rational Expressions	 
<input type="checkbox"/> +	Section 14.8: Variation	 
<input checked="" type="checkbox"/> +	Section 14.9: Dividing Polynomials: Long Division and Synthetic Division	
<input checked="" type="checkbox"/> -	15. Systems of Linear Equations and Inequalities (partially included)	 
<input checked="" type="checkbox"/> +	Section 15.1: Solving Systems of Linear Equations by Graphing	 

<input checked="" type="checkbox"/> +	Section 15.2: Solving Systems of Linear Equations by Substitution	 
<input checked="" type="checkbox"/> +	Section 15.3: Solving Systems of Linear Equations by Elimination	 
<input checked="" type="checkbox"/> +	Section 15.4: Applications of Linear Systems	 
<input checked="" type="checkbox"/> +	Section 15.5: Solving Systems of Linear Inequalities	 
<input checked="" type="checkbox"/> +	Section 15.6: Solving Systems of Linear Equations in Three Variables	
<input type="checkbox"/> +	Section 15.7: Solving Systems of Equations by Matrices	
<input type="checkbox"/> +	Section 15.8: Solving Systems of Equations Using Determinants	
<input checked="" type="checkbox"/> -	16. Roots, Radicals, and Complex Numbers	 
<input checked="" type="checkbox"/> +	Section 16.1: Evaluating Roots	 
<input checked="" type="checkbox"/> +	Section 16.2: Multiplying, Dividing, and Simplifying Radicals	 
<input checked="" type="checkbox"/> +	Section 16.3: Adding and Subtracting Radicals	 
<input checked="" type="checkbox"/> +	Section 16.4: Rationalizing the Denominator	 
<input checked="" type="checkbox"/> +	Section 16.5: More Simplifying and Operations with Radicals	 
<input checked="" type="checkbox"/> +	Section 16.6: Solving Equations with Radicals	 
<input checked="" type="checkbox"/> +	Section 16.7: Rational Exponents	
<input checked="" type="checkbox"/> +	Section 16.8: Rationalizing Denominators and Numerators of Radical Expressions	 
<input checked="" type="checkbox"/> +	Section 16.9: Radical Equations and Problem Solving	 
<input checked="" type="checkbox"/> +	Section 16.10: Complex Numbers	
<input checked="" type="checkbox"/> -	17. Quadratic Equations and Functions (partially included)	 
<input checked="" type="checkbox"/> +	Section 17.1: Solving Equations by the Square Root Property	 
<input checked="" type="checkbox"/> +	Section 17.2: Solving Quadratic Equations by Completing the Square	 
<input checked="" type="checkbox"/> +	Section 17.3: Solving Quadratic Equations by the Quadratic Formula	
<input checked="" type="checkbox"/> +	Section 17.4: Graphing Quadratic Equations and Inequalities	 
<input checked="" type="checkbox"/> +	Section 17.5: Introduction to Functions	
<input checked="" type="checkbox"/> +	Section 17.6: Solving Equations by Using Quadratic Methods	
<input checked="" type="checkbox"/> +	Section 17.7: Nonlinear Inequalities in One Variable (partially included)	
<input checked="" type="checkbox"/> +	Section 17.8: Quadratic Functions and Their Graphs	
<input checked="" type="checkbox"/> +	Section 17.9: Further Graphing of Quadratic Functions	
<input checked="" type="checkbox"/> -	18. Exponential and Logarithmic Functions	 
<input checked="" type="checkbox"/> +	Section 18.1: The Algebra of Functions; Composite Functions	
<input checked="" type="checkbox"/> +	Section 18.2: Inverse Functions	
<input checked="" type="checkbox"/> +	Section 18.3: Exponential Functions	
<input checked="" type="checkbox"/> +	Section 18.4: Logarithmic Functions	
<input checked="" type="checkbox"/> +	Section 18.5: Properties of Logarithms	
<input checked="" type="checkbox"/> +	Section 18.6: Common Logarithms, Natural Logarithms, and Change of Base	
<input checked="" type="checkbox"/> +	Section 18.7: Exponential and Logarithmic Equations and Applications	 

