

Summer IXL for Rising Algebra II

Select ALGEBRA I

All sections to SmartScore of 70 or higher, unless otherwise denoted for remedial work.

Completing all sections below to the SmartScore of 70 will be recorded as two quiz grades of 100. Incomplete sections will result in lowered quiz grades. Each section is worth approximately 5 points off the quiz grades if not completed. This is a required assignment.

NEW! Students should bring this sheet AND printed verification of their work on the first day of class.

- To access this information, sign into IXL and choose "Analytics" across the top green menu bar.
- After selecting Analytics, choose "Scores" in the new white menu bar populated.
- Ensure the correct grade is selected in the drop-down to the left of the screen (ALGEBRA I).
- Click the print icon to the right of the SCORE CHART.
- You can use this to check your progress, ensure your SmartScores are brought to a 70 or greater, and cross-check with the sections below to ensure you have completed them all.

Section B: Expressions

Topic	SmartScore
Properties of Addition/Multiplication	

Section C: Solve Linear Equations

Topic	SmartScore
Solve One-Step Linear Equations	
Solve Linear Equation with Variables on Both Sides	
Solve Linear Equations: Complete the Solution	

Section D: Geometry and Measurement

Topic	SmartScore
Area and Perimeter: Word Problems	
Volume	
Surface Area	

Section E: Problem Solving with Units

Topic	SmartScore
Convert Rates and Measurements: Customary Units	

Section I: Coordinate Plane

Topic	SmartScore
Coordinate Plane Review	

Section K: Slope

Topic	SmartScore
Find the Slope from Two Points	

Section L: Linear Functions

Topic	SmartScore
Slope-Intercept Form: Find the Slope and Y-Intercept	
Slope-Intercept Form: Graph an Equation	
Linear Equations; Solve for Y	
Write Linear Equations in Standard Form	
Standard Form: Find X- and Y-intercepts	
Equation of Horizontal and Vertical Lines	
Graph a Horizontal or Vertical Line	
Write an Equation for a Parallel or Perpendicular Line	

Section M: Functions Concepts

Topic	SmartScore
Identify Functions: Vertical Line Test	
Evaluate a Function	

Section O: Systems of Linear Equations

Topic	SmartScore
Solve a System of Equations by Graphing	
Solve a System of Equations by Using Substitution	
Solve a System of Equations by Using Elimination	

Section P: Two-Variable Linear Inequalities

Topic	SmartScore
Graph a Two-Variable Linear Inequality	
Is (x,y) a Solution to the System of Linear Inequalities?	

Section R: Integer Exponents

Topic	SmartScore
Negative Exponents	
Simplify Exponential Expressions Using Multiplication and Division Rules	
Simplify Exponential Expressions using Power Rule	

Section T: Scientific Notation

Topic	SmartScore
Convert Between Standard and Scientific Notation	

Section V: Exponential Functions

Topic	SmartScore
Evaluate an Exponential Function	

Section W: Polynomials

Topic	SmartScore
Add/Subtract Polynomials	
Multiply a Polynomial by a Monomial	
Multiply Two Binomials	
Multiply Polynomials	
Divide Polynomials by Monomials	

Section X: Factor Polynomials

Topic	SmartScore
Factor Quadratics with Leading Coefficient 1	
Factor Quadratics with Other Leading Coefficients	
Factor by Grouping	

Section Z: Quadratic Equations

Topic	SmartScore
Solve a Quadratic Equation Using Square Roots	
Solve a Quadratic Equation Using the Zero-Product Property	
Solve a Quadratic Equation by Factoring	
Solve a Quadratic Equation by Using the Quadratic Formula	
Using the Discriminant	

Section AA: Linear, Quadratic, and Exponential Functions

Topic	SmartScore
Identify Linear, Quadratic, & Exponential Functions from Graphs	

Section BB: Absolute Value Functions

Topic	SmartScore
Graph an Absolute Value Function	

Section EE: Radical Expressions

Topic	SmartScore
Simplify Radical Expressions: Mixed Review	

Section FF: Radical Functions & Equations

Topic	SmartScore
Solve Radical Equations I	

Updated July 2023, Ed LaRock