

Summer IXL for Rising PreCalculus

Select ALGEBRA II

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 II).
- 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: Equations

Topic	SmartScore
Solve Linear Equations	
Solve Absolute Value Equations	
Solve Multi-Variable Equations	

Section C: Inequalities

Topic	SmartScore
Solve Linear Inequalities	
Solve Absolute Value Inequalities	
Solve Quadratic Inequalities	

Section D: Functions

Topic	SmartScore
Find Values Using Function Graphs	
Write the Equation of a Linear Function	

Section E: Systems of Equations

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

Solve a System of Equations Using Elimination	
Solve a System of Equations Using Any Method: Word Problems	

Section F: Systems of Inequalities

Topic	SmartScore
Solve Systems of Linear Inequalities by Graphing	

Section G: Matrices

Topic	SmartScore
Add/Subtract Scalar Multiples of Matrices	
Multiply Two Matrices	
Solve Matrix Equations	

Section I: Complex Numbers

Topic	SmartScore
Add/Subtract/Multiply/Divide Complex Numbers	

Section J: Factoring

Topic	SmartScore
Factor by Grouping	
Factor Polynomials	

Section K: Quadratic Functions

Topic	SmartScore
Graph a Quadratic Function	
Solve a Quadratic Equation Using Square Roots	
Solve a Quadratic Equation by Factoring	
Complete the Square	
Solve a Quadratic Equation Using the Quadratic Formula	
Write a Quadratic Function from Its Zeros	

Section L: Polynomials

Topic	SmartScore
Divide Polynomials Using Long Division	
Divide Polynomials Using Synthetic Division	
Match Polynomials and Graphs	

Section M: Radical Functions & Expressions

Topic	SmartScore
Simplify Radical Expressions with Variables I	
Add/Subtract Radical Expressions	
Solve Radical Equations	

Section O: Rational Functions & Expressions

Topic	SmartScore
Rational Functions: Asymptotes and Excluded Values	
Simplify Rational Expressions	
Multiply/Divide Rational Expressions	
Add/Subtract Rational Expressions	
Solve Rational Equations	

Section P: Function Operations

Topic	SmartScore
Composition of Linear Functions: Find an Equation	
Find Inverse Functions & Relations	

Section Q: Families of Functions

Topic	SmartScore
Function Transformation Rules	
Transformations of Functions	

Section S: Logarithms

Topic	SmartScore
Convert Between Exponential and Logarithmic Form: All Bases	
Properties of Logarithms: Mixed Review	

Section T: Exponential & Logarithmic Functions

Topic	SmartScore
Match Exponential Functions & Graphs	
Solve Exponential Equations Using Common Logarithms	
Solve Logarithmic Equations I	

Section V: Circles

Topic	SmartScore
Write Equations of Circles in Standard Form Using Properties	
Graph Circles	

Section Y: Angle Measure

Topic	SmartScore
Convert Between Radians and Degrees	
Graphs of Angles	

Section Z: Trigonometry

Topic	SmartScore
Pythagorean Theorem & Its Converse	
Special Right Triangles	
Trigonometric Ratios: Sin, Cos, and Tan	
Trigonometric Ratios: Find a Side Length	
Trigonometric Ratios: Find an Angle Measure	
Solve a Right Triangle	