

# Algebra 1 Keystone Graduation Lab Online Resources

## *Module 1*

### **1.1 Operations**

[Ordering Numbers](#)

[Greatest Common Factor](#)

[Least Common Multiple](#)

[Combining Like Terms](#)

[Exponent Rules \(part 1\)](#)

[Exponent Rules \(part 2\)](#)

[Simplifying Expressions with Exponents](#)

[Multiplying Polynomials](#)

[Factoring Difference of Squares](#)

[Simplifying Radicals](#)

### **1.2 Linear Equations and Systems**

[Writing Expressions](#)

[Linear Equations](#)

[Linear Equation Word Problems](#)

[Systems of Equations with Elimination \(part 1\)](#)

[Systems of Equations with Elimination \(part 2\)](#)

[Systems of Equations with Substitution](#)

[Systems of Equations Word Problems](#)

### **1.3 Linear Inequalities and Systems of Inequalities**

[Linear Inequalities](#)

[Graphs of Inequalities](#)

[Graphing Systems of Inequalities](#)

## *Module 2*

### **2.1 Functions and Patterns**

[Domain and Range](#)

[Identifying Points](#)

[Finding Equations of Lines from Tables](#)

### **2.2 Coordinate Geometry**

[Slope of a Line](#)

[Solving for the y-intercept](#)

[Line Graph Intuition](#)

[Graphing Linear Equations](#)

[Graphing Linear Function to Solve Systems of Equations](#)

[Slope Intercept Form](#)

[Converting between Slope Intercept and Standard Form](#)

[Point Slope Form](#)

### **2.3 Probability and Data Analysis**

[Probability](#)

[Probability \(part 2\)](#)

[Independent Probability](#)

[Stem and Leaf Plots](#)

[Mean, Median and Mode](#)

[Box and Whisker Plots](#)

