

# Algebra Keystone Practice with The Khan Academy

The **Khan Academy** is a free website that includes instruction and guided practice. The practice sections relevant to the Keystone Exams in Khan Academy are organized below. Each link contains interactive practice, hints, worked out solutions and links to video instruction if needed.

You can use the links on this page to select the practice area of interest. When moving to a new topic, return to this page and pick the next practice area.

## **PRACTICE LINKS FOR ALGEBRA I KEYSTONE ARE BELOW:**

### ***Module 1***

#### 1.1 Operations

(Please note. Module 1.1 Operations contains the greatest number of topics to master but is not weighted more heavily than the other assessment areas. For this reason, it makes sense to focus on 1.1 AFTER the other five assessment areas.)

[Combining Like Terms](#)

[Exponent Rules](#)

[Exponent Rules Continued](#)

[Multiplying Polynomials](#)

[Factoring Difference of Squares](#)

[Simplifying Radicals](#)

#### 1.2 Linear Equations and Systems

[Writing Expressions, Linear Equations, and Linear Equation Word Problems](#)

[Systems of Equations with Elimination Part:1](#)

[Systems of Equations with Elimination](#)

[Systems of Equations with Substitution](#)

#### 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](#)

[Determining Slope from Two Points](#)

[Slope from Slope-Intercept Form](#)

[Slope from Standard Form](#)

[Graph from Slope-Intercept Form](#)

[Slope-Intercept Form from Graph](#)

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

[Point Slope Form](#)

**[2.3 Probability and Data Analysis](#)**

[Probability](#)

[Independent Probability](#)

[Stem and Leaf Plots](#)

[Mean, Median and Mode](#)