

# **ARE YOU READY FOR ALGEBRA 1?**

Use the following checklist to focus your summer Khan Academy work. These are math skills that you have previously learned and should be able to perform when entering Algebra 1. Please also complete the Prioritized Topics in the 8th Grade course.

## **Topics from the 8th Grade Course:**

- ☐ **Unit 5: Geometry**
- ☐ **Unit 6: Geometric Transformations**

## **Topics from the Get Ready for Algebra 1 course:**

- ☐ I can add, subtract, multiply and divide integers.
- ☐ I can add, subtract, multiply and divide fractions (positive and negative).
- ☐ I can add, subtract, multiply and divide decimals (positive and negative).
- ☐ I can solve multi-step equations.
- ☐ I can graph lines on a coordinate plane given an equation.
- ☐ I can explain what a real world graph means using axis labels and an understanding of the constant of proportionality.
- ☐ I can substitute a value for a given variable, and simplify an expression using the Order of Operations.
- ☐ I can translate words into algebraic expressions.
- ☐ I can simplify expressions by combining like terms.
- ☐ I can find multiples and factors of whole numbers.
- ☐ I can solve problems with percents.
- ☐ I can solve and graph simple inequalities (one- and two-step).
- ☐ I can estimate and determine if solutions are reasonable.