



# Algebra Honors Summer Assignment

Each incoming Algebra student is expected to spend at least **1 hour per week** working on the following topics on our IXL site: <https://www.ixl.com/signin/monmouthhs>. **Students must log in** using their preassigned IXL username and password, given to you by your 8<sup>th</sup> Grade teacher. If you have any questions regarding your IXL username and password, or any other questions, please contact Mr. Caliste at [tcaliste@monmouthregional.net](mailto:tcaliste@monmouthregional.net) or Mr. Wardell, the math supervisor, at [TWardell@monmouthregional.net](mailto:TWardell@monmouthregional.net).

**\*\* STUDENTS MUST LOG IN TO IXL TO COMPLETE THIS ASSIGNMENT\*\***

These topics can be found under the **Algebra I Tab**.

## **Ratios, Rates, and Proportions**

- C.1 Identify equivalent ratios
- C.5 Solve proportions

## **Percents**

- D.1 Convert between percents, fractions, and decimals

## **Coordinate Plane**

- G.1 Coordinate plane review

## **Properties**

- H.2 Distributive property
- H.3 Simplify variable expressions using properties

## **Solve Equations**

- J.4 Solve two-step linear equations
- J.5 Solve advanced linear equations
- J.6 Solve equations with variables on both sides

## **Single-Variable Inequalities**

- K.1 Graph inequalities
- K.2 Write inequalities from graphs
- K.11 Graph solutions to advanced linear inequalities

## **Linear Functions**

- T.3 Find the slope of a graph
- T.4 Find the slope from two points
- T.6 Slope-intercept form: find the slope and y-intercept
- T.7 Slope-intercept form: graph an equation
- T.11 Slope-intercept form: write an equation from a word problem
- T.12 Linear equations: solve for y
- T.13 Write linear functions to solve word problems

# Algebra Honors Summer Assignment

Students do not need to achieve a given score for each topic, but rather concentrate on maintaining their skills during the summer. This assignment will count as your first grade of Marking Period 1. The score will be based on how much time was spent practicing and the number of skills practiced. An **assessment** of these topics will be administered during the first week of school in September.

## Summer Assignment Grading Rubric

	F	D	C	B	A
Number of skills	7 or fewer	8-10	11-13	14-16	17-19
Hours Spent	6 or fewer	7	8	9	10 or more

**\*\* THIS MUST BE COMPLETED BY THE FIRST DAY OF SCHOOL.\*\***

**\*\* NO CREDIT WILL BE GIVEN FOR LATE IXL SUBMISSIONS \*\***