



**Summer Math 2016**  
**Middle School Mathematics**  
**Honors Algebra 1**  
**Mr. Everett**

Dear Honors Algebra 1 Students and Parents,

This year, students enrolled in Honors Algebra 1 will complete summer math work online. The learning activities listed on the following pages are to be accessed through the [IXL.com](http://IXL.com) website. **Be sure to log in with your username and password to track your progress and receive credit for your work.** This information has been emailed to your Wooster School email account.

Approach the learning activities in the order of your choosing. Work on each module for 20-30 minutes or until you reach 90% mastery. If, for example, you reach 90% mastery after 12 minutes, you should feel free to move onto a new topic.

It will take you about **9 hours** to complete this work. We encourage you to break this work into manageable parts. Try to tackle three activities per week. To keep track of your progress, check off each activity upon completion.

Mr. Everett has the ability to view your activity log and he can see how many problems you attempt and how long you work. This is how Wooster School will track your progress over the course of the summer and develop a better understanding your mathematical background.

When you approach this work, bear in mind the Wooster School Honor Code. In this instance, the expectation is that you will complete this work independently and without the assistance of a calculator.

If you run into any questions or confusion, please email the Honors Algebra 1 teacher at: [peter.everett@woosterschool.org](mailto:peter.everett@woosterschool.org).

Good luck!

## Honors Algebra 1 Summer Math Work Checklist

- ⌘ C-5(7) Add and subtract integers: word problems  
<https://www.ixl.com/math/grade-7/add-and-subtract-integers-word-problems>
- ⌘ C-9(7) Evaluate numerical expressions involving integers  
<https://www.ixl.com/math/grade-7/evaluate-numerical-expressions-involving-integers>
- ⌘ E-8(7) Add, subtract, multiply, and divide decimals: word problems  
<https://www.ixl.com/math/grade-7/add-subtract-multiply-and-divide-decimals-word-problems>
- ⌘ G-4(7) Add and subtract mixed numbers: word problems  
<https://www.ixl.com/math/grade-7/add-and-subtract-mixed-numbers-word-problems>
- ⌘ H-3(7) Absolute value of rational numbers  
<https://www.ixl.com/math/grade-7/absolute-value-of-rational-numbers>
- ⌘ J-8(7) Solve proportions  
<https://www.ixl.com/math/grade-7/solve-proportions>
- ⌘ J-9(7) Solve proportions: word problems  
<https://www.ixl.com/math/grade-7/solve-proportions-word-problems>
- ⌘ L-6(7) Percents of numbers: word problems  
<https://www.ixl.com/math/grade-7/percent-of-numbers-word-problems>
- ⌘ T-6(7) Solve two-step equations  
<https://www.ixl.com/math/grade-7/solve-two-step-equations>
- ⌘ S-5(8) Evaluate multi-variable expressions  
<https://www.ixl.com/math/grade-8/evaluate-multi-variable-expressions>
- ⌘ V-5(8) Graph solutions to one-step inequalities

<https://www.ixl.com/math/grade-8/graph-solutions-to-one-step-inequalities>



W-1(8) Find the slope of a graph

<https://www.ixl.com/math/grade-8/find-the-slope-of-a-graph>



W-2(8) Find the slope from two points

<https://www.ixl.com/math/grade-8/find-the-slope-from-two-points>



W-4(8) Find the slope of an equation

<https://www.ixl.com/math/grade-8/find-the-slope-of-an-equation>



W-8(8) Write a linear equation from a slope and a point

<https://www.ixl.com/math/grade-8/write-a-linear-equation-from-a-slope-and-a-point>



W-10(8) Slopes of parallel and perpendicular lines

<https://www.ixl.com/math/grade-8/slopes-of-parallel-and-perpendicular-lines>



Y-2(8) Solve a system of equations by graphing

<https://www.ixl.com/math/grade-8/solve-a-system-of-equations-by-graphing>



Y-8(8) Solve a system of equations by substitution

<https://www.ixl.com/math/grade-8/solve-a-system-of-equations-using-substitution>



Y-10(8) Solve a system of equations using addition method (“elimination”)

<https://www.ixl.com/math/grade-8/solve-a-system-of-equations-using-elimination>



Y-9(8) Solve a system of equations: word problems

<https://www.ixl.com/math/grade-8/solve-a-system-of-equations-using-substitution-word-problems>



T-6(A-1) Solve systems of linear inequalities by graphing

<https://www.ixl.com/math/algebra-1/solve-systems-of-linear-inequalities-by-graphing>

This work was independently completed by \_\_\_\_\_.  
Student Name

\_\_\_\_\_  
Student Signature                      Date

\_\_\_\_\_  
Parent Signature                      Date

*\*Bring this completed and signed checklist to your math class on the first day of school.*