



**Summer Math 2016**  
**Upper School Mathematics**  
**Algebra 1**  
**Ms. Taraz**

Dear Algebra 1 Students and Parents,

This year, students enrolled in 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 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.

I will have the ability to view your activity log and 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.

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

Good luck!

## Algebra 1 Summer Math Work Checklist

- ⌘ C.3 Add and Subtract Integers  
<https://www.ixl.com/math/grade-8/add-and-subtract-integers>
- ⌘ C.7 Multiply and Divide Integers  
<https://www.ixl.com/math/grade-8/multiply-and-divide-integers>
- ⌘ C.8 Evaluate Expressions Involving Integers  
<https://www.ixl.com/math/grade-8/evaluate-expressions-involving-integers>
- ⌘ F.12 Evaluation Expressions Involving Exponents  
<https://www.ixl.com/math/grade-8/evaluate-expressions-involving-exponents>
- ⌘ J.1 Convert Between Percents, Fractions, and Decimals  
<https://www.ixl.com/math/grade-8/convert-between-percents-fractions-and-decimals>
- ⌘ M.1 Multi-step Word Problems  
<https://www.ixl.com/math/grade-8/multi-step-word-problems>
- ⌘ P.1 Coordinate Plane Review  
<https://www.ixl.com/math/grade-8/coordinate-plane-review>
- ⌘ Q.4 Reflections  
<https://www.ixl.com/math/grade-8/reflections-graph-the-image>
- ⌘ S.1 Write Variable Expressions  
<https://www.ixl.com/math/grade-8/write-variable-expressions>
- ⌘ S.8 Evaluate Rational Expressions  
<https://www.ixl.com/math/grade-8/evaluate-rational-expressions>
- ⌘ S.10 Add and Subtract Like Terms

<https://www.ixl.com/math/grade-8/add-and-subtract-like-terms>

- ⌘ U.9 Solve Equations with Variables on Both Sides  
<https://www.ixl.com/math/grade-8/solve-equations-with-variables-on-both-sides>
- ⌘ U.10 Solve Equations Mixed Review  
<https://www.ixl.com/math/grade-8/solve-equations-mixed-review>
- ⌘ V.3 Graph Inequalities on the Number Line  
<https://www.ixl.com/math/grade-8/graph-inequalities-on-number-lines>
- ⌘ V.8 Solve Multi-step Inequalities  
<https://www.ixl.com/math/grade-8/solve-multi-step-inequalities>
- ⌘ W.2 Find the Slope from Two Points  
<https://www.ixl.com/math/grade-8/find-the-slope-from-two-points>
- ⌘ W.6 Write a Linear Equation from a Slope and Y-intercept  
<https://www.ixl.com/math/grade-8/write-a-linear-equation-from-a-slope-and-y-intercept>
- ⌘ X.7 Complete a Table for a Linear Function  
<https://www.ixl.com/math/grade-8/complete-a-table-for-a-linear-function>
- ⌘ Y.2 Solve a System of Equations by Graphing  
<https://www.ixl.com/math/grade-8/solve-a-system-of-equations-by-graphing>
- ⌘ Y.8 Solve a System of Equations by Using Substitution  
<https://www.ixl.com/math/grade-8/solve-a-system-of-equations-using-substitution>
- ⌘ Y.10 Solve a System of Equations by Using Elimination  
<https://www.ixl.com/math/grade-8/solve-a-system-of-equations-using-elimination>
- ⌘ AA.4 Interpret Line Graphs

<https://www.ixl.com/math/grade-8/interpret-line-graphs>



AA.2 Interpret Bar Graphs

<https://www.ixl.com/math/grade-8/interpret-bar-graphs>



BB.1 Calculate Mean, Median, Mode, and Range

<https://www.ixl.com/math/grade-8/calculate-mean-median-mode-and-range>

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.*