



**Summer Math 2016**  
**Upper School Mathematics**  
**Honors Algebra 2**  
**Ms. Lucic**

Dear Honors Algebra 2 Students and Parents,

This year, students enrolled in Honors Algebra 2 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 25-30 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 **10 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.

Ms. Lucic has the ability to view your activity log and she 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 Honors Algebra 2 teacher at: [sarah.lucic@woosterschool.org](mailto:sarah.lucic@woosterschool.org).

Good luck!

## Honors Algebra 2 Summer Math Work Checklist

- ⌘ C.6 Solve Proportions, Word Problems  
<https://www.ixl.com/math/algebra-1/solve-proportions-word-problems>
- ⌘ D.2 Solve Percent Equations  
<https://www.ixl.com/math/algebra-1/solve-percent-equations>
- ⌘ F.15 Pythagorean Theorem: Word Problems  
<https://www.ixl.com/math/algebra-1/pythagorean-theorem-word-problems>
- ⌘ F.17 Special Right Triangles <https://www.ixl.com/math/algebra-1/special-right-triangles>
- ⌘ J.5 Solving Advanced Linear Equations  
<https://www.ixl.com/math/algebra-1/solve-advanced-linear-equations>
- ⌘ K.15 Graph Solutions to Compound Inequalities  
<https://www.ixl.com/math/algebra-1/graph-solutions-to-compound-inequalities>
- ⌘ L.1 Solving Absolute Value Equations  
<https://www.ixl.com/math/algebra-1/solve-absolute-value-equations>
- ⌘ O.1 Word Problems Mixed Review  
<https://www.ixl.com/math/algebra-1/word-problems-mixed-review>
- ⌘ S.3 Find the Slope From Two Points  
<https://www.ixl.com/math/algebra-1/find-the-slope-from-two-points>
- ⌘ S.6 Slope Intercept Form Graph an Equation  
<https://www.ixl.com/math/algebra-1/slope-intercept-form-graph-an-equation>

- ⌘ S.8 Slope-Intercept Form: Write an Equation  
<https://www.ixl.com/math/algebra-1/slope-intercept-form-write-an-equation>
- ⌘ S.15 Equations of Horizontal and Vertical Lines  
<https://www.ixl.com/math/algebra-1/equations-of-horizontal-and-vertical-lines>
- ⌘ U.8 Solving Using Substitution  
<https://www.ixl.com/math/algebra-1/solve-a-system-of-equations-using-substitution>
- ⌘ U.10 Solve System Using Elimination  
<https://www.ixl.com/math/algebra-1/solve-a-system-of-equations-using-elimination>
- ⌘ V.4 Multiplication with Exponents  
<https://www.ixl.com/math/algebra-1/multiplication-with-exponents>
- ⌘ V.5 Division with Exponents  
<https://www.ixl.com/math/algebra-1/division-with-exponents>
- ⌘ V.7 Power Rule  
<https://www.ixl.com/math/algebra-1/power-rule>
- ⌘ Z.8 Multiply Two Binomials  
<https://www.ixl.com/math/algebra-1/multiply-two-binomials>
- ⌘ Z.10 Multiplying Polynomials  
<https://www.ixl.com/math/algebra-1/multiply-polynomials>
- ⌘ AA.2 Factor Out a Monomial  
<https://www.ixl.com/math/algebra-1/factor-out-a-monomial>
- ⌘ AA.3 Factor Quadratics with Leading Coefficient  
<https://www.ixl.com/math/algebra-1/factor-quadratics-with-leading-coefficient-1>



EE.1 Simplify Radical Expressions

<https://www.ixl.com/math/algebra-1/simplify-radical-expressions>



HH.1 Trigonometric Ratios sin-cos-tan

<https://www.ixl.com/math/algebra-1/trigonometric-ratios-sin-cos-and-tan>

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.*