Summer Math 2017
Upper School Mathematics
Algebra 2
Mr. Viglucci

Dear Algebra 2 Students and Parents,

This year, students enrolled in Algebra 2 will complete summer math work online. The learning activities listed on the following pages are to be accessed through the IXL.com website. Be sure to log in with your username and password to track your progress and receive credit for your work.

Email parvin.taraz@woosterschool.org if you do not know your username or password.

Approach the learning activities in the order of your choosing. **Work on each activity for 20 minutes or until you reach 90% mastery**. If, for example, you reach 90% mastery after 12 minutes, you can 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.

Mr. Viglucci 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 Algebra 2 teacher at: nick.viglucci@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.18 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

- [ ] 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.4 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

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.*