<div align="center">

Geometry

Summer 2020 Assignment

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Next year, you will be entering Geometry. In order to ensure you are prepared and ready to go when the school year starts you will be required to complete the following work this summer.

If you have any questions, please feel free to email Mr. Sauer (gsauer@devonprep.com).

All work will be assigned from Khan Academy.

Join the Khan Academy Class using this link: https://www.khanacademy.org/join/TKPZ65EQ or log into Khan Academy and join using Class Code: **TKPZ65EQ**. Be sure your first and last name appear in your Khan Academy account.

 Email Mr. Sauer after you join the class! Otherwise, you will not be able to see the assigned exercises!

Complete the Khan Academy assigned exercises. For each Khan Academy assignment, you will earn full credit with a 75% or better (3 out of 4 for most). If you do not earn a 75% the first time, you may continue to complete exercises until you have done so. You will not be penalized for multiple attempts. Although the videos, lessons, and exercises immediately preceding each assigned quiz and test are not required they can be very helpful in the event that you need some assistance achieving a score of 75% or better.

Note: You will need a TI-84, TI-84+ or TI-84+ CE for this class. The TI-83 can be used, however, it is outdated for later courses. This summer assignment will be considered your first assignment for class. I will check the assignment on the first day of school in August. You will be graded using the following rubric:

You will be awarded up to 50 points for completing the 25 Khan Academy assignments/articles with a minimum of 75% questions answered correctly on each Assignment. For the articles, there will not be a grade attached and it will simply appear as a green check mark once completed.

Khan Academy Assignments

<u>Geometry Course</u>

- Evaluating Expressions with Two Variables
- Evaluating Expressions with Two Variables: Fractions & Decimals
- Combining Like Terms with Negative Coefficients & Distribution
- Combining Like Terms with Rational Coefficients
- Equations with Variables on Both Sides
- Equations with Variables on Both Sides: Decimals & Fractions
- Multi-Step Equations Review
- Multi-Step Linear Inequalities
- Compound Inequalities
- Slope Review
- Horizontal & Vertical Lines
- Intercepts of Lines Review (X-Intercepts and Y-Intercepts)
- Linear Equations Word Problems: Tables
- Linear Equations Word Problems: Graphs
- Graphing Linear Relationships Word Problems
- Graphing Lines from Slope-Intercept Form Review
- Slope-Intercept Form Review
- Point-Slope Form Review
- Convert Linear Equations to Standard Form
- Substitution Method Review (Systems of Equations)
- Elimination Method Review (Systems of Linear Equations)
- Equivalent Systems of Equations Review
- Solutions of Systems of Inequalities
- Graphing Inequalities (X-Y Plane) Review
- Systems of Inequalities Word Problems