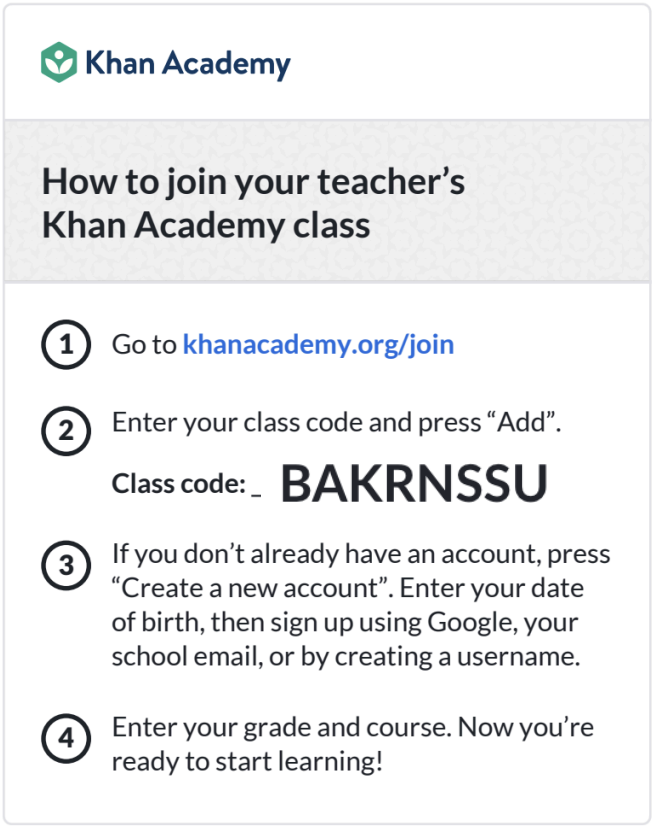
Welcome to Honors Geometry!

This summer work is to help you review and strengthen key concepts from Pre-Algebra and Algebra 1. Geometry builds on these foundational skills, and having a solid understanding of them will make applying them to Geometry topics much easier.

We will be using **Khan Academy** for practice and review. Khan Academy allows you to work through the assignments **as many times as you need** and has videos and hints that can help if you get stuck. As you are working through the assignments, take note of anything that you do not understand or have questions about. We will go over any questions you have during the first two weeks of the semester, but understand that time will be limited as we will also be starting the geometry curriculum. If you are able to complete problem sets without help or the use of a solving app/AI, you should be ready for the start of the school year.

Your grades for these assignments will be based on the scores you earn, and the first test of the year will be over these topics. For the test, you will be required to show your work and thinking on all problems and will be allowed to use a calculator.

****DO NOT WAIT UNTIL THE LAST MINUTE TO COMPLETE THIS WORK.**



The topics covered include:

1.) Evaluating Functions from a Graph and from an Equation
2.) Solving Proportions
3.) Solving Two-Step and Multi-Step Equations
4.) Adding and Subtracting Polynomials (combining like terms)
5.) Multiplying Polynomials
6.) Solving Quadratic Equations by Factoring and by Using the Quadratic Formula
7.) Finding the Slope of a Line
8.) Writing Equations of Lines from a Graph, from a Point and Slope, and from Two Points
9.) Graphing Linear Equations
10.) Solving Systems of Linear Equations

If you have any trouble getting signed up to the Khan Academy class, or if you have any other questions, please email me at: dferguson@district70.org.

I'm excited to get started with you all next year!
Mrs. Ferguson