**ALGEBRA 2 (COLLEGE PREP & HONORS) SUMMER MATH**

The purpose of the eight summer math assignments is to ensure you understand the prerequisite skills required to succeed in Algebra 2. It is expected that all of the content is material previously taught to you. An answer key is attached to each assignment, please check your answers, make a note to yourself of any questions and areas you need to practice. The individual assignments are posted to google classroom, you will be invited to join an Alg 2 class to access the materials.

These assignments are **optional** but **heavily encouraged**. In the first few weeks of school you will take a test to assess your understanding of the course prerequisite skills. There will be a brief review in class, and you will have opportunities to get help before or after school before the assessment is given. The assessment will be worth 5% of your grade for the first semester.

Reviewing over time is recommended, a suggested timeline is completing 2 topics every three weeks by Sunday June 15, Sunday July 6, Sunday July 27, Sunday August 17.

Topics can be done in any order.

The assignments are on the following 8 Topics, links to practice worksheets are on Google Classroom

Topic 1 Solving linear equations and Inequalities

Topic 2 Functions, Slope, writing equations, domain and range

Topic 3 Graphing linear and quadratic equations

Topic 4 Factoring and Multiplying Polynomials

Topic 5 Systems of Equations

Topic 6 Radicals

Topic 7 Properties of Exponents

Topic 8 Trigonometry and Special Right Triangles