Dear AP Precalculus Students,

Welcome to Advanced Placement (AP) Precalculus! I am thrilled that you have chosen to challenge yourself by taking this college-level course. Designed by the College Board, AP Precalculus is structured to provide you with a deep, collaborative, and rigorous understanding of functions and their real-world applications. This course will lay a strong foundation for future college-level mathematics, including AP Calculus and beyond.

Because of the depth and pace of the AP curriculum, a strong mastery of prerequisite algebra and geometry skills is essential for your success. To ensure that everyone starts the school year on equal footing and ready to tackle new material, you are required to complete a summer preparation assignment.

Recommended Prerequisite Skills

To be successful, the College Board expects you to demonstrate proficiency in the following mathematical concepts: [1, 2]

- **Linear & Quadratic Functions:** Algebraic manipulation, solving equations, solving inequalities, and graphing.
- **Polynomial Expressions:** Polynomial addition, multiplication, factoring quadratic trinomials, and using the quadratic formula.
- **Trigonometry:** Solving right triangle problems.
- **System of Equations:** Solving systems in two and three variables.
- **Fundamental Familiarity:** You should also be comfortable working with piecewise-defined functions, exponential functions, rules for exponents, radicals (square and cube roots), and complex numbers. [1, 2]

Please sign up for the delta math class for the summer. Save your information so that you won't lose your login over the summer. Use your personal email address for the summer.

➡ https://www.deltamath.com/students?code=DT9Q-C8UL

Please don't wait until the last minute to complete this assignment.

Deadline for the assignment will be announced on the first day of school. If you have any issues, please email me hicksont@fultonschools.org