

SUMMER STUDY PACKET
AP PRECALCULUS

Dear AP Precalculus student,

This summer packet will enable you to be successful in knowing prerequisites for Honors Precalculus. As you know, the prerequisites for the student include two years of algebra and a year of geometry grounding in elementary functions and their graphs. Attitude prerequisites include willingness to work both in and out of class, a willingness to collaborate with class mutual understanding, and a sincere intent to place out in math.

The purpose of this summer packet will also enable you to:

- (1) value mathematics
- (2) become confident in your ability to do mathematics
- (3) become a mathematical problem solver
- (4) communicate mathematically
- (5) reason mathematically

You are responsible for doing all the exercises noted before the first day of classes. If you do not know how to do a problem you are expected to use the sources available to you (notes, handouts, books, internet, etc.) to figure it out independently. The best study routines, during the summer months, is to constantly review topics and do a few problems each day, do not attempt to do the entire handout the day before school starts.

The problems should be done in chronological order. Each problem should include a summary of the problem statement, a complete step-by-step solution, and a boxed final answer. You should not use a calculator to do the problems, but you may use your calculator to check your answer.

Go to the following link [AP Precalculus](#), print, view the lessons, fill in the lesson worksheets, and then do the homework worksheets.

This summer assignment contains a review of the following:

P1 Real Numbers

P2 Cartesian Coordinate System

P3 Linear Equations and Inequalities

P4 Lines in the Plane

Factoring

P5 Solving Equations Graphically, Numerically, and Algebraically

P6 Solving Inequalities Algebraically and Graphically

2.8 Solving Rational Equations

The summer assignment will be collected and graded as homework. You are expected to know how to solve all the problems. There will be a brief review of these topics during the first week of class and then you will be formally evaluated on your knowledge of these topics. This test will count as 10% of your first quarter grade. The prepared AP Precalculus student should easily score over 90% on such an exam.

If you have any questions, please email leticia.garcia@asfg.edu.mx

Enjoy your summer and do your best!

The ASFG Math Department