

Classroom: 165

Office Hours: From 8:10-8:40 each morning in Room 165.

Contact information: Email is best igrombacher@eanesisd.net My telephone extension is 34101.

Conference Period: 4th/5th period, by appointment

Textbook: Precalculus with Limits by Larson

Our textbook this year is online. More information will be provided in class.

Course Description and Topics: The primary objective of pre-calculus is to use mathematical concepts as a tool to solve many types of application problems. Pre-calculus is a skill building as well as a problem-solving course. Technology is used as a tool for concept development, solving non-routine application problems, and verifying computations.

Fall Semester

Degree, Radian, Circular Functions
 Trigonometric functions
 Graphing trigonometric functions
 Applications of trigonometry
 Inverses of trigonometric functions
 Trigonometry equations and identities
 Vectors, parametric equations with applications
 Polar coordinates and complex numbers
 Other enrichment topics sports, biology, etc.
 Conic sections

Spring Semester

Functions
 Graphing functions
 Conic sections
 Polynomial functions
 Inequalities and linear programming
 Exponential and logarithmic functions
 Sequences and series
 Extensive application problems
 Limits and an introduction to calculus
 Other enrichment topics

Supplies:

- Paper
- Pencils! If you choose to use pen, you'd better not make any mistakes.
- Ti-84+ Graphing Calculator. I do not supply calculators so you should always come prepared with one.
- School Issued iPad
- 1 box of tissues

Technology

- Google Classroom
- Note-taking App if desired

Daily/Homework 10%

There will be a homework assignment almost every night. It is an essential part of learning in any mathematics class. You are responsible to check your homework and ask questions when needed. A fully completed assignment with all work shown is worth full credit. Homework answers are provided. This does not mean copying the answers is a good use of your time. Use your homework as a way to reinforce your learning and the answers are provided to give you feedback on how you are doing. Frequently, questions like the HW are on assessments. It is to your advantage to do the homework the night it is assigned. While I may not check the HW each day, it is a vital part of your learning. Always be prepared.

Quizzes 20%

There are individual and group quizzes regularly. The lowest quiz grade is dropped at the end of each 9 weeks provided there are no attendance problems and no honor code violations.

Tests 70%

Three (or more) tests will be given each 9-week period. You will take a test if present unless you've had extensive excused absences immediately prior to the test day. If the day before the exam is a review day and you are absent, it does not excuse you from missing the test. You have all the material you need. All reviews are on the calendar and the answers are posted on the Google Classroom. There are **no retests** given, but there will be a cumulative exam at the end of each quarter which can replace exactly 1 lower test grade.

Make-up Policy:

If you are absent from class, it is YOUR responsibility to make up the work missed. All assignments are posted in Google Classroom and you will have a 9-week calendar that gives plenty of warning for important dates. Please follow the absence policy in the student handbook regarding quiz and test makeups.

Classroom Rules

- Be on time! School tardy policies will be enforced.
- Listen attentively, take notes, and ask questions. ENGAGE YOUR BRAIN!
- Follow the Westlake Honor Code. Only turn in work that is completely your own.
- Be courteous to all others in the class-listen without interrupting, offer encouragement, etc
- Bring only WATER to class. Other food and drink is for OUTSIDE of class.
- Make mathematical thinking your top priority for 50 minutes!
- Show your work!

Portable Electronic Devices

- We will follow the Student Handbook policy and the district's [Responsible Use Guidelines](#).
- You have chosen to take a rigorous math class. It is to your benefit to keep yourself as free from distraction during class time as possible.