

In this class, students will prepare for a college level calculus course by deepening Algebra, Geometry, and Trigonometry knowledge and skills. Students will further study advanced functions and mathematics.

Textbook: Larson, Hosteller, Edwards. Precalculus with Limits. 3rd Ed. Boston, MA: Houghton Mifflin, 2001.

Materials: Bring to class every day:

1. Math binder/notebook
2. Pencils
3. TI-83 (or higher) graphing calculator

Grading: All assignments fall into three categories: 1) Homework/Classwork, 2) Quizzes, and 3) Tests. The categories approximately make up the following percentage of the overall grade. :

Homework/Classwork.....	15%
Quizzes.....	25%
Tests.....	60%

Notebook Organization: I recommend that you have a separate 3-ring binder solely for this math class. Keep this syllabus in the front of the binder. Divide the binder into 3 sections: 1) Notes, 2) Homework, and 3) Tests/Quizzes. If you keep all the materials from class you will have a great resource to study from for tests and quizzes. Do your homework on a separate sheet of paper everyday. Do not take notes and do homework on the same piece of paper.

Homework: Homework will be assigned every day and is due the following class day unless specified otherwise. It is extremely important that homework be completed as accurately as possible and on time. If you do not understand homework problems, check over your class notes and look in the textbook for help, then ask the teacher for additional help or a different explanation of a topic with additional examples.

Late Policy: I do accept late work with a 10% penalty. However, there is a point (3-5 days) after which the assignment is no longer accepted. This is considered the deadline and is specified with each assignment.

Academic Honesty: Asking a classmate to explain a homework problem is acceptable; copying someone's work is not. It is OK to help each other on homework, but it is never acceptable to show/give someone else your homework or accept/take someone else's homework even for reference. Asking someone to tell you the questions on a test is NEVER acceptable; nor is looking on someone else's paper.

Your teacher will explain test procedures the day of a test. Any violations of the standard test procedures will be dealt with according to Marian school policy.

Attendance: If a student knows ahead of time that s/he is going to be absent from class due to an approved activity such as a field trip, the student is responsible for work/information missed during school-related and/or planned absences. You must ASK the teacher to be excused from class as soon as possible and at least 24 hours in advance of any planned or scheduled absence. Any homework, classwork, and/or project assigned during the absence will be due at the same time as students who did not miss class. Any assignments due during the absence must be turned in prior to the school-related and/or planned absence. Failure to follow the prescribed procedures will result in late penalties.

It is your responsibility to collect any materials missed when absent and turn in any assignments due for the day you were absent.

In accordance with Marian policy, on the 3rd unexcused tardy to class you will serve a detention with your teacher. On the 6th unexcused tardy the office is notified and a lock-out procedure is followed according to section F on page 14 of the student agenda.

Class Rules: We will discuss the class rules on the first day.

Consequences: When a student CHOOSES to break the rules, the teacher is forced to address the situation and administer consequences. On the 1st offense, a verbal warning is given. The 2nd offense warrants a private conversation with the teacher. Lastly, the student will serve a detention with the teacher after the 3rd offense. Subsequent wrongdoings will be met with administrative intervention and a phone call to the parent/guardian.

Additional Help: There will be topics in class that some students do not grasp immediately. This is normal as we all think and learn differently. If this happens, please do not hesitate to seek additional help from the teacher, other classmates, other teachers, and/or parents/guardians. I am always available during lunch and after school. We can also arrange to meet before school if necessary. You may even e-mail me at any time of the day. Just remember that everyone around you – parents/guardians, friends, and all Marian staff – is committed to your success. Also, it is never to late. Follow the motto of ‘better late than never’.

Topics: The following is a list of the chapters and topics we will cover in class.

Chapter 1: Functions and Their Graphs
Chapter 2: Polynomial and Rational Functions
Chapter 3: Exponential and Logarithmic Functions
Chapter 4: Trigonometric Functions
Chapter 5: Analytic Trigonometry
Chapter 6: Additional Topics in Trigonometry

Chapter 7: Systems of Equations and Inequalities
Chapter 8: Matrices and Determinants
Chapter 9: Sequences, Series, and Probability
Chapter 10: Analytic Geometry
Chapter 11: 3-D Analytic Geometry
Chapter 12: Limits

“Do not worry about your difficulties in mathematics, I can assure you that mine are still greater.”

~ Albert Einstein