

To the Ambitious AP Calculus student:

Okay. Here's the deal. There's a TON of stuff you need to know for AP Calculus next year, thus, the assignment of summer work. Basically, you need to remember almost everything you've ever learned from math! How in the world are you going to do this?! Good news! Khan Academy has a great online review called *Get Ready for AP Calculus*. This will basically review the old Algebra skills and Precalculus concepts that you need to know to start off the school year.


1. Read the syllabus and contract and set up your notebook!
2. Join the Khan Academy Class using the instructions below. The class code is: **YDPT6X96**
3. Complete the review assignments for Unit 1 entitled *Get Ready for Limits and Continuity*. You do not have to watch the videos but they are there if you need them. Try the assignments, and at the very least, complete the quizzes and the test.

I also want to take a minute to tell you how glad I am that you are choosing to take such a challenging class during your senior year. This choice says a great deal about the kind of student you are! I am so excited to begin this journey with you! Please remember that I am always available for math help, encouragement, advice, recommendations, or anything else you may need over the summer or during the school year. I hope you have a wonderful summer and I'll see you next year!

Mathematically Yours,

Mrs. White

4.



How to join your teacher's Khan Academy class

- 1 Go to khanacademy.org/join
- 2 Enter your class code and press "Add".
Class code: **YDPT6X96**
- 3 If you don't already have an account, press "Create a new account". Enter your date of birth, then sign up using Google, your school email, or by creating a username.
- 4 Enter your grade and course. Now you're ready to start learning!

AP CALCULUS
AGREEMENT
2024-2025

In signing this I am stating that I have read the course syllabus for AP Calculus and am responsible for the information it contains, specifically the following:

- I recognize that this is an AP course and will require extra effort, work, and time.
- I commit to spend 1 hour EACH night working on this class.
- I commit to put forth initiative in the learning process, approaching everything with a good attitude, consistent effort, and diligent study.
- I understand that this course is extremely rigorous and maintains high expectations regarding performance. I am aware that my grade may be lower than it was in the prerequisite course for this class.
- I understand that no late work will be accepted.
- I have read the expectations for behavior and agree to abide by them.
- I realize that math help hours are after school on Tuesdays as stated unless I make specific arrangements with Mrs. White for a different time.
- I understand that I am required to take the AP Calculus AB exam in May 2025 and that payment for the exam is my responsibility.
- I take full responsibility for my performance in this course. I realize that communication between myself, my parents, and Mrs. White is crucial to my success in the course.
- I commit to honesty and integrity in my work. All sources I consult to complete AP work will be cited and I will neither share my work nor look at the work of my peers unless directed to by Mrs. White. I understand that the ACS plagiarism policy, located in the handbook, will be strictly enforced.
- I have personally read the points of this agreement out loud to my parents.

My signature below represents my agreement to comply with the agreement stipulations:

Signature of student _____ **Date** _____

Syllabus
AP Calculus
2024-2025

Teacher: Mrs. Sarah White
Email: sarahwhite@augustachristian.org
Phone: (706)863-2905 school and [\(706\)414-9995](tel:(706)414-9995) cell
Book: *Calculus: Graphical, Numerical, Algebraic*, AP Edition. 3rd Ed by Finney, Demana, Waits, and Kennedy.

Homework: Homework is essential to your success in Calculus. Remember, class time is for learning new concepts and exploring new ideas. Time out of class is for you to study and practice what you have learned. Homework problems from the textbook will be assigned each night. However, unless otherwise noted, these problems will not be collected for a grade. Students are expected to complete all homework on the night it is assigned. Otherwise, you risk falling behind. Also, do not expect class time to be spent reviewing large quantities of homework problems.

Quizzes: Quizzes will be given weekly and/or as the need arises. They may cover vocabulary, formulas, or concepts. “Pop” quizzes should be expected and will cover material covered in class as well as homework. Students should be dedicating enough time to the study of this course that an unannounced quiz will not catch them off guard.

Tests: There will be approximately 3 announced tests each quarter. Tests should be considered cumulative and may contain any material covered since the beginning of the year as well as foundational math concepts from Algebra, Geometry, or Precalculus. Each test will contain questions from and similar to previous AP exam questions. The math test day is Wednesday. You will know well in advance which Wednesdays you have tests. I will let you know if we must reschedule a test for a day other than Wednesday. Since tests are 70% of your grade, they should be approached with the utmost preparation and resolve.

Extra Credit: Extra credit will be rarely assigned during the year. Students going above and beyond the course requirements may receive extra credit at the teacher’s discretion.

Grading: Remember this is an AP course and you will receive 5 points added to your average at the end of each quarter and on your semester exam.

Major Grades (tests)	70%	A	90-100
Minor Grades (quizzes, classwork, etc.)	30%	B	80-89
		C	74-79
		D	70-73
		F	69 and below

Missed assignments: Missing class in AP Calculus should be avoided at all costs. However, if you must miss class, make sure you check Google Classroom for a pdf version of the class notes. Any assignments missed can be found on RenWeb.

Math Help: Should you need extra help during the year, I will be available Tuesdays after school. Please see me to make an appointment for any time other than that.

Study Groups: Study groups are highly recommended for this course.

Expectations for Behavior:

You are expected to follow the following rules while in my classroom:

- You must be in the classroom when the bell rings. Attendance is paramount in an AP course! You will be held responsible for anything covered in class regardless of your attendance.
- You must come to class prepared to learn.
 - Bring all materials to class every day.
 - Only math-related materials are allowed on your desk or in your hand – AT ALL TIMES!
 - Take notes, copy examples, and focus on your work during class.
 - Laziness will not be tolerated. Participation in class is paramount to the success of everyone. Should you not act as part of the “team” you will be asked to leave the classroom until a change is made in attitude and work ethic.
- There will be a strict NO CELL PHONE policy enforced for this course. Please make sure to inform your parents, friends, doctors offices, prospective colleges, etc... that they will be unable to reach you during class time.
- Show respect to your teacher and classmates. Remember, treat others the way you would like to be treated!

Materials:

- One 3-ringed binder with loose-leaf paper. You will probably need a 2-inch binder.
- Several mechanical or pre-sharpened pencils. (You may not sharpen pencils during class.)
- 8 Dividers. When you come to school on the first day, your notebook should be set up with the following sections:
 - Syllabus & Class Information
 - PreCalculus Review, including:
 - Any notes or formula sheets from last school year
 - Unit circle and/or trigonometry information
 - Notes, from class
 - Homework/Worksheets
 - Quizzes
 - FRQs
 - Tests
 - AP Exam Prep & Tips
- TI-83+ or TI-84+ or TI-89 (graphing calculator)

Dear Parents,

I am so glad your student has enrolled in AP Calculus for the 2024-2025 school year! During the course of next school year you may very well feel as if your student is not the only one working through a challenging math class, so I decided to write you a letter explaining a few things before we all get started on this journey together! If you have questions about anything, please feel free to contact me through email at sarahwhite@augustachristian.org or by phone at (706)414-9995 if you cannot reach me through the school.

Calculus is a rigorous and comprehensive course that requires out-of-the-box thinking. There will be homework each night that may require 1 hour to complete. Although the homework will rarely be collected for a grade, if a student does not complete it with comprehension and maximum effort, it is likely he or she will not be successful in Calculus. This is a college-level course which requires dedicated study and responsible, committed students. Students who plan to do well on the AP exam should approach each day with diligence, determination, and commitment. Students who score a 3, 4, or 5 on the exam will receive a semester of college credit in beginning Calculus at most colleges and universities. This can amount to a monetary savings of hundreds or even thousands of dollars! Your student will be issued a Calculus textbook specifically designed for their success on the AP exam. I will also provide many handouts and practice test problems. If you feel that your student needs even more practice problems I would recommend purchasing *Barron's: How to Prepare for the AP Calculus Exam*. This is completely optional, as your student should have plenty of work and practice related to the exam in their homework, weekly assignments, and through quiz and test preparations. I also have several resources in my classroom library, including the Barron's book, the Kaplan book, and the Princeton Review book that students are welcome to come use or check-out at any time.

For the summer, your student has received a link to an online math review. This covers all of the review information your student will need to be prepared for AP Calculus in August. It is extremely important that your student complete these assignments before the start of school in August. We do not have time in class to review Algebra, Geometry, or PreCalculus concepts that they should already have mastered.

As in college courses, grades are primarily based on tests and quizzes. This makes every testing situation extremely important. Grades will be posted on RenWeb as soon as possible after each assignment. Please be aware that AP grades have 5 points added at the end of each quarter. **Please read the class guidelines given to your student and the contractual commitment as these may contain additional information regarding the course.**

Again, please contact me at any time and for any reason. I love your students and am always looking for ways to help them succeed! I will strive to make this school year challenging and fun! Thank you for your support as we enter into the wonderful world of AP Calculus!

Sincerely,

Sarah White