



**AP Calculus AB  
Summer Assignment – 2024  
Mr. Nordstrom**

Dear AP Calculus AB Students:

I am very excited that you are accepting the challenge of taking Advanced Placement Calculus AB. AP Calculus AB is a university level course taught in high school. AP courses require extra time outside of class and assignments will challenge students to think critically. Tests are modeled after the AP exam and are very rigorous.

AP Calculus AB also requires the completion of a summer assignment that is due on the first day of school. It is vital that you complete this summer assignment and produce quality work. There will be a quiz during the first week of school over the topics covered in the summer assignment. In alignment with the AP Calculus AB exam, **students will not be permitted to use a calculator for this quiz**. If you fail to complete all requirements of the summer assignment or if you earn below a 60% on the quiz, you will be asked to transfer to a different math course.

I will be available over the summer to help students via e-mail: [NordstromWJ@gmail.com](mailto:NordstromWJ@gmail.com). Please allow 48 – 72 hours for a response. If you e-mail over the summer, please be specific about who you are and exactly what you need help with.

I look forward to meeting you in August and diving into the exciting world of calculus together!

Sincerely,

Mr. Nordstrom

## AP Calculus AB – Summer Assignment

- **Review topics that you have previously learned and must be familiar with for AP Calculus AB:**
  - Trigonometric identities and the unit circle
  - Factoring
  - Solving by factoring
  - Simplifying rational expressions
  - Logarithms
  - Exponential equations
  - Equation of a line
  - Evaluating functions
  - Asymptotes of a function
  - Domain of a function
  - Piecewise functions
  - You may find the following course from Khan Academy useful, particularly the lessons included within Unit 1 and Unit 2: [Get Ready for AP Calculus](#)
- **Print and complete the summer review packet (28 questions)**
  - The summer packet must be printed and will not be accepted in a digital format
  - All questions must be completed and work must be shown
  - Click here to access the summer review packet: [AP Calculus Summer Review Packet](#)
- **Study for quiz**
  - There will be a quiz during the first week of school over the topics covered in the summer assignment
  - A calculator will **not** be permitted for the quiz (in alignment with the AP Calculus AB exam)