

Summer Work – Preparation for AP Calc - Rocha

Dear Students in AP Calculus 2023-24,

In order to have time to work through the calculus required for the exam, the review of Algebra1, Algebra2 and precalculus topics is required before we delve into the new math topics. You are required to do the following sections from your book. I have included the pages in case you do not have the calculus book before the start of school.

Each section needs to be labeled as the chapter and section (ch1.1 for example). Your work **MUST** be done neatly and orderly (it is a matter of precision required for the course). The answers are in the back of your textbook. If you do not have a textbook prior to the start of school, please notify me at drocha@nda-worc.org so that I can send you a PDF. This summer assignment counts as 6 homework assignments which is roughly 1/3 of your homework grade for Q1.

- 1.) CH. 1.1 P. 10 - P. 11 (1-49) **Every Other Odd (E.O.O.)**
- 2.) CH. 1.2 P. 19 - P. 21 (1-49) **E.O.O.**
- 3.) CH 1.3 P. 26 - P. 28 (1-45) **E.O.O.**
- 4.) **CH 1.4 OMIT**
- 5.) CH 1.5 P. 42 – P.43 (1-45) **E.O.O.**
- 6.) CH 1.6 P. 50 – P. 52 (1-41) **E.O.O.**
- 7.) CH 2.1 Read and Study Pages 58-65 and Do pages 65 – 67 1-49 **E.O.O.**

Please do not procrastinate doing these assignments. I will be checking in on you during the Summer Months and ask for a progress report periodically. Feel free to email me to ask for help on specific problems. I have included PowerPoints to help with any topic you might not understand. They don't match exactly to the book, but they are created by the creators of the AP exam. Additionally, Khan Academy is always a good tutorial if you are not understanding a topic.

Sincerely,

Mrs. Rocha

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[1.2 Day 1 Functions and Graphs VIDEO YouTube](#)

[1.2 Day 2 Transformations of Functions VIDEO YouTube](#)

[1.3 Exponential Functions 1.3N TI-89: VIDEO YouTube TI-nspire: VIDEO YouTube](#)

[1.4 Parametric Equations 1.4N TI-89: VIDEO YouTube TI-nspire: VIDEO YouTube](#)

[1.5 Functions and Logarithms 1.5N TI-89: VIDEO YouTube TI-nspire: VIDEO YouTube](#)

[1.6 Trig Functions 1.6N TI-89: VIDEO YouTube TI-nspire: VIDEO YouTube](#)

[1.6a Day 1 Review of Evaluating Trig Functions VIDEO YouTube](#)

[1.6b Day 2 Review of Evaluating Trig Functions VIDEO YouTube](#)

[1.6c Day 3 Review of Evaluating Trig Functions VIDEO YouTube](#)

[1.6d Day 4 Review of Trig Identities VIDEO YouTube](#)