

Welcome to AP Calculus! Next year will be a challenge and also be rewarding. Calculus is different than any other math class. We use all of the "precalculus" concepts you've learned so far. Precalculus simply means anything prior to calculus. You will be introduced to new ideas and expand on them.

The first chapter in your calculus book is your assignment over the summer. Please start a new composition (or spiral) notebook for calculus. Each assignment should be labeled on the top of the page. Your initials after the assignments on this page tell me you have completed that assignment. At the end of the chapter, you should log on to the Pearson website and take the assigned chapter test.

| Section | Concept (Major Idea) | Page | Problems Assigned | Initials/Date (when completed) |
|---------|-------------------------|----------|---|-----------------------------------|
| 1.1 | Lines | 9 | 6-36 M/3 (multiples of 3) 47 - 52 All | |
| 1.2 | Functions & Graphs | 19 | 1-33 Odds 37-40 All 41-47 Odds, 51 & 52 | |
| 1.3 | Exponential Functions | 26 | 1 - 11 Odds 13-18 All, 21, 25 | |
| 1.5 | Functions & Logarithms | 42 43 | Quick Review 1-4, 7-10 1-11 Odd, 33-41 Odd | |
| 1.6 | Trigonometric Functions | 51 | Quick Review 1-7 1-4 All 5-13 Odd, 15 & 16 | |
| Review | | 55 | 1, 3, 7, 9, 15, 27, 35, 39, 41 59, 61, 63, 65abc | |

Note: The answers to odd problems are in the back of your text. As with the precalculus text, problem numbers with gray backgrounds are intended as NO calculator problems. In calculus, half of all exams are calculator active and half are calculator inactive.

If you have questions as you go through this, begin by reading the explanations in the text. There are videos that go along with each section on-line as well. I recommend forming a "study group" in calculus. Having someone to lean on will help you when the concepts get tough! You can also email me but allow me some time to answer. jjohnson2@everettsd.org. Calculus is fun! But please do NOT try to do this in one or two nights! See you in the fall. Ms. J²