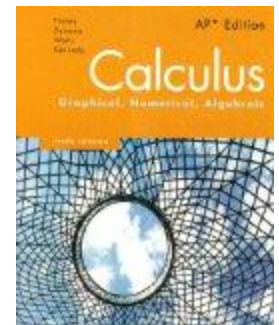


Dear AP Calculus Student 2011-2012:

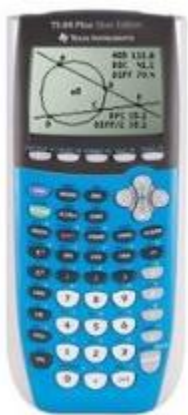
I, Mr. Braddock, will do my very best to prepare you for college-level Calculus and the AP Calculus AB test in May. This course will be rigorous and challenging, but enjoyable if you put your heart into it. I have high expectations for all of you. If you don't understand something after we've discussed it in class I expect to see you before or after school with your attempted work and your questions prepared.

Doing well on the AP Calculus test in May might mean that many of you will be done with your math requirements in college. Some of you going on to higher level mathematics fields can save time and money by testing out of the first Calculus course. You will need a 3, 4 or 5 on the AP test to receive credit. Many state colleges/universities accept a 3, but most private schools accept a 4 or 5. It is totally within you to do well. The harder you work, the better your score will be.

This summer I want you to prepare yourself for the course by doing Chapter 1 in our book. This goes over the material that Mr. Motz taught you this year in Pre-Calculus and Ms. Carey taught you in Honors Algebra II. You can do this by going to <http://www.interactmath.com> and selecting our book "**Finney: Calculus: Graphical, Numerical, Algebraic, 3e Media Update**" and doing the problems from Chapter 0 and Chapter 1. Chapter 0 will prepare you to use the online textbook. Chapter 1 will prepare you for the actual Calculus concepts (DON'T WORRY ABOUT CHAPTER 1, SECTION 4). You should know your "Unit Circle" inside and out. The first quiz of the year will be during the first week and it will be over the values and measurements on the unit circle.



In Chapter 0 there are 8 questions on how to enter in your answers using the online book. In Chapter 1 there are 77 questions you should answer (this excludes the 11 questions from Section 4). I suggest starting 2 weeks before school and working a little bit each day. If you break it into 14 days before school you will end up doing about 6 problems a day until the first day of class. If you need help the book online has "Help Me Solve This" and "View and Example" buttons that work nicely. I will also have links to videos up on my website to YouTube videos that reteach the topics. Don't think that I'm making you do this to ruin your Summer Break. Think of it as I'm trying to help you get free college credit.



Next year you will NEED a graphing calculator. If you do not have one you will want to buy a TI-84+ Silver Edition, or TI-89 Titanium calculator this summer, or you may rent one from the school for \$50 next year. Seeing that you have made it this far you will want one for your own after you graduate. If you can't afford a new one, I suggest Ebay or Craigslist for used calculators.

You may email me questions or your results each day at [jbraddock@rockets.sparcc.org](mailto:jbraddock@rockets.sparcc.org) . I check my email regularly and I am here to help.

Sincerely,

Mr. Braddock  
AP Calculus Teacher – SHS

How to send me your results on Chapter 0 and Chapter 1:

You may print the results for each section showing that you have gotten the questions right and bring them with you on the first day of class.

OR (and I prefer it this way)

1. Take a picture of the screen for each section by pressing Ctrl+Shift+Print Scrn
2. Paste the screen for each section into a Word document (see picture below).
3. Email me the word document to [jbraddock@rockets.sparcc.org](mailto:jbraddock@rockets.sparcc.org)

The screenshot shows a web browser window with the URL <http://interactmath.com/Exercises.aspx>. The browser's address bar, menu bar (File, Edit, View, Favorites, Tools, Help), and toolbar are visible. The website header features the 'interact math' logo and navigation buttons: Home, Browser Check, Search, About, and Contact Us. Below the header, there are links for 'Select a different textbook' and 'Back to Chapter list'. The main content area is titled 'Exercise Selection' and includes a printer icon. The page content is for 'Finney: Calculus: Graphical, Numerical, Algebraic, 3e Media Update', specifically 'CHAPTER 1: Prerequisites for Calculus' and 'Section 1: Lines'. A dropdown menu is set to 'All Objectives'. A summary table shows 'Attempted: 1', 'Correct: 1', 'Incorrect: 0', and 'Time Spent: 00:00:26'. Below this, a grid of exercise links is displayed: Exercise 1 (with a green checkmark), Exercise 5, Exercise 9, Exercise 13, Exercise 19, Exercise 21, Exercise 25, Exercise 27, Exercise 32, Exercise 35, Exercise 37, Exercise 41, and Exercise 43, Exercise 45. A 'Print Results' button is located at the bottom right of the exercise grid.

Attempted: 1	Correct: 1	Incorrect: 0	Time Spent: 00:00:26
<a href="#">Exercise 1</a>	<a href="#">Exercise 5</a>		<a href="#">Exercise 9</a>
<a href="#">Exercise 13</a>	<a href="#">Exercise 19</a>		<a href="#">Exercise 21</a>
<a href="#">Exercise 25</a>	<a href="#">Exercise 27</a>		<a href="#">Exercise 32</a>
<a href="#">Exercise 35</a>	<a href="#">Exercise 37</a>		<a href="#">Exercise 41</a>
<a href="#">Exercise 43</a>	<a href="#">Exercise 45</a>		

I cropped the picture above so you can read it.

The only difference between this screen capture and yours is that yours should have a checkmark next to each of the exercises. Note: the screenshot should include each exercise done correctly, how many correct and the amount of time spent per section. If you are working at the pace of 6 problems per day I recommend doing a screenshot at the end of each time you do a set of problems. You may email me one document with many screenshots.