

AP Calculus AB Summer Work

Mrs. Dowling
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First of all, let me welcome you to the most challenging math course (and probably the most challenging course overall) that you will take in high school. This class seems easy at times, but it will turn around in a second and humble you. The best way to have success is be prepared. Thus, it is very important that you keep up and do the suggested reading and problems. We need to “hit the ground running” so that we have time later in the year for test preparation and review.

I have enclosed some quotes from previous AP Calculus students – read them carefully. They also give some great insight on how to have a successful senior year. I would love to see everyone that takes this class pass the AP test in May. It will take a lot of hard work, but I think that all of you can achieve that. Please don't hesitate to contact me if you need help. Good luck, be careful this summer, and I'll see you in August!

Mrs. Dowling

- **Print out the worksheets and turn in all work on these sheets. Do book work on notebook or engineering/graph paper and label the section at the top of each paper (i.e. Section 1.2, etc.). Show all work for the problems. *DO NOT turn in an entire notebook like a spiral notebook that you need for notes.* These will be due the first day back at school.**
- **I will have a couple summer sessions at the library and will send out these dates over remind and post on GC. We will have a test over Chapter 1 very soon after school starts so it is critical that you complete and understand this homework.**

We will be using Google classroom to communicate over the summer and on into the school year. This is a way for you to ask questions, get help, and find useful resources and videos. You must use your **Google account given to you by the school** or you will not have access to everything.

Google classroom code is **6gt8df9**.

Please join the **Remind** so you can get messages regarding the class. Text **@dbk62g** to the number **81010**.

Khanacademy.org is now aligned with the College Board standards for AP Calculus. Join the class with the code below and use video's and practice to help you understand the topics. There are no requirements for summer work on here, but it is really helpful for limits that you have not done before. Join the class even if you don't use it over the summer.

Khanacademy.org class code: **Y6URRQYT**

You will need to check a book out of the media center before the end of school. Complete all of the work on the "Summer Work Problems" linked below and in the book before returning to school in August. These may not be topics you have done before. It is up to you to use resources and learn to be an independent student. I will post resources for you on Google classroom including instructional video. Don't hesitate to contact me over Google classroom or email if you need help with the summer work. Do NOT underestimate the amount of time the summer work will take to complete!

Summer Work Problems

Resources

Quotes from Previous Students

"Don't get behind because it will be painful!" Emma Keaton

"You need to work diligently and pay attention in class. Overall you will love this class." – Makayla Mack

"You're going to get tired of hearing 'it snowballs.' Get used to it because EVERYTHING matters." - Michael Dang

"As a fellow procrastinator, don't procrastinate." - Eric Hunter

"Don't put things off and think-"Eh, I'll finish it later"- because if you do, the next night you will have even more to do and eventually it WILL overwhelm you." - Amanda Dowling

"You have two options – learn to not procrastinate your homework, or learn how to do 40 calculus problems at 1 in the morning, straining to see through sleep and tears." -Taylor Wright

"Push through even when you don't think you can handle it." - Gavin Paul

“Always do your homework and stay on top of your studies. Everything adds on to each other..” - Mitchell Bush

“Take time to go through the examples the book works out. Learn the concepts the first time. All of the concepts pile onto each other. Don’t give up.” - Kamil Bagain

“Some of you may think it will be easy. But I can tell you right now that most of you have the wrong idea. One piece of advice is to always do your homework. Don’t be lazy. Seriously. Do it. Group work is good work! Have fun, work hard, and do math!” Nicolette Mantica

“DO NOT procrastinate on you Calc homework: Don’t do it. If ever you find that you sinking (It will happen eventually) just take a deep breath and remember that you can handle it. This class will prepare you for the AP exam if you do the work and pay attention in class.” – Austin Hardaway

“Do not put off your summer homework. You are going to have a lot, and it will ruin the last few weeks of summer if you put it off. Calculus is hard, but it is not impossible. Do your homework.” - Katie Schoen

“When Mrs. Dowling says it all builds on itself she’s not kidding. Start the homework on the day she assigns it. You’ll want the opportunity to ask her questions the next day.” - Katie Kuntsevich

These quotes are a sampling of the advice from students that just went through this class. They have written letters to you that I will share in August. Learn from them and don’t forget to have fun!