

## AP Calculus AB Summer Assignment

Welcome to AP Calculus AB,

You will have an amazing opportunity to earn college credit at the end of this course when you take the AP test in May of 2027. To prepare for next year, you need to maintain your Algebra skills.

The following is your summer assignment. There are two versions. **Version 1** is for the students who have already taken the Advanced Trig/Calculus course. **Version 2** is for the students who have completed the Algebra 2 class only. You only need to complete the Version that applies to you. For the students who have completed Advanced Trig/Calculus, Version 2 is optional.

Your summer assignment is worth 20% of your homework grade for Q1 for the upcoming school year.

**Due date:** First day of classes for the school year 2026-2027.

For any questions, please let me know. Send me an email at [sadushi.s@stsaviour.org](mailto:sadushi.s@stsaviour.org)

Sincerely

Mr. Sadushi

Check the instructions below for each Version.

**Instructions for Version 1:** If you have completed the Advanced Trig/Calculus course, solve the following problems from the Larson Calculus Textbook, 9th ed. You will find the book in Google Classroom.

You can write your solutions on loose-leaf paper. In order to get the full credit, you need to show all your steps where appropriate. If you prefer to submit your work on Kami, you can do that too, but you still need to show all your work.

**Larson Calculus Textbook 9th ed.**

**Chapter 1**

Pages 54-55: 1, 2, 16, 18, 26, 32 (6 problems)

Pages 67-68: 24, 27, 32, 36, 38, 44, 50, 54, 55, 61, 62 (11 problems)

Pages 78-81: 1, 3, 6, 9, 12, 13, 17, 18, 30, 36, 38, 43, 46, 51, 95 (15 problems)

Page 88: 1, 5, 13, 16, 19, 25, 31, 37, 45, 49 (10 problems)

**Chapter 2**

Pages 103-105: 3, 4, 12, 14, 17, 45, 46, 61 (8 problems)

Pages 115-117: 1, 3, 8, 9, 18, 21, 56, 93, 94 (9 problems)

Pages 126-128: 1, 5, 7, 11, 15, 69, 93, 101, 105 (9 problems)

Page 137: 7, 11, 17, 20, 45, 47, 51 (7 problems)

Page 146: 1, 5, 7, 26 (4 problems)

Page 154: 13, 16, 21 (3 problems)

**Chapter 3**

Pages 169 - 170: 8, 12, 19, 21, 57, 58 (6 problems)

Page 186: 4, 10, 13, 26 (4 problems)

Page 195: 6, 8, 20, 23 (4 problems)

**Chapter 4**

Pages 255 - 256: 16, 18, 22, 25, 32, 34, 35, 39, 41 (9 problems)

Page 279: 23, 25, 33, 34, 35, 37, 47 (7 problems)

Page 293: 6, 7, 10, 27, 28, 29, 35, 37, 41 (9 problems)

Pages 306 - 308: 12, 20, 26, 47, 50, 75, 77, 95 (8 problems)

**Chapter 5**

Page 331: 47, 48, 49, 50 (4 problems)

Pages 340 - 341: 1, 3, 7, 53, 54, 73 (6 problems)

Pages 359 - 360: 39, 40, 41, 43, 45, 57, 99, 101, 103, 117, 119, 121 (12 problems)

**Instructions for Version 2:** If you have taken only Algebra 2, you need to complete the following assignments in Khan Academy.

Go to [khanacademy.org](https://www.khanacademy.org)

Sign in or, if you don't have an account, make one by using your Saint Saviour email address.

Find the course called *Get Ready for AP Calculus*

The link to the course is <https://www.khanacademy.org/math/get-ready-for-ap-calc>

The course has 9 units

You are responsible for completing only units 1-7. Units 8 and 9 are optional.

To get the full credit for this assignment, you need to complete at least 65% of the mastery level.

You can work at your own pace.

You can also complete the units in any order, but try to spread your workload and work on the problems every week. Avoid doing all the work at once.

To increase your mastery level faster, do the quizzes and unit tests.

When you complete at least 65% of the Course mastery, you will submit a screenshot of your progress on Google Classroom. When you take the screenshot, make sure you capture your username on top of your Khan Academy account. This will verify that the screenshot came from your account.

I have not created the Google Classroom yet. When I do, I will invite you so you can join.

Check the next page for an example of a screenshot.

This is a screenshot of my mastery page. I have captured my username on the top right corner as sadushi.s, and about a third of the way through the page, it shows my Course mastery at 12% completion.

You should capture something similar once you reach at least 65% mastery completion. If you reach more that 65%, it would be even better.

The screenshot shows the Khan Academy interface for the course "Get ready for AP<sup>®</sup> Calculus". The user's name is "sadushi.s". The course mastery is 12%. The page features a progress bar for "Level 5" and a "Start mastery challenge" button. The course is divided into 9 units, each with a row of progress indicators. A "COURSE CHALLENGE" section is also visible.

Unit	Mastery	Proficient	Familiar	Attempted	Not started	Quiz	Unit test
Unit 1	1	0	0	0	0	0	0
Unit 2	0	0	0	0	0	0	0
Unit 3	0	0	0	0	0	0	0
Unit 4	0	0	0	0	0	0	0
Unit 5	0	0	0	0	0	0	0
Unit 6	0	0	0	0	0	0	0
Unit 7	0	0	0	0	0	0	0
Unit 8	0	0	0	0	0	0	0
Unit 9	0	0	0	0	0	0	0