

Information from the College Board

The AP Calculus AB online exam is scheduled for Tuesday, May 12, at 11:00 AM Pacific Time. Students will have 25 minutes to read and respond to Question 1, and then 5 minutes to upload their response. After uploading the response to Question 1, students will have 15 minutes to respond to Question 2, with 5 additional minutes to upload their response to Question 2. Once their response to Question 1 has been submitted, they cannot go back to it.

I received this additional information from College Board.

Encourage your students to review their contact information. We're communicating with the AP community primarily by email. To ensure your students are receiving critical information, make sure they log in to My AP to remind themselves of the email address and cell phone number they've asked the College Board to use. If they want, students can change how we contact them. Two days before each exam, students will receive an email with a personalized e-ticket that will include their eight-character AP ID code. If a student still doesn't receive the email, they'll be able to access their e-ticket directly through My AP.

Today's assignment

- Read solutions to yesterday's homework H0428 at `HCalABx0428_SolutionsPlus`.
- Review L'Hospital's Rule.
- Take the mock examination.
- Checkin:

0429 AP Calculus AB Checkin

Today's Mock Examination

Sign on to AP Classroom just before 1:00 PM. At 1:00 PM exactly, your mock exam will be released (or, at least, I am counting on College Board to get this right). The format will be two free response questions. You will have 60 minutes to complete these problems.

AP Classroom is not that easy to set up, and it is unclear to me if your assessment is "secure", that is, requiring the lockdown browser. I believe it is not, and that you will have to upload files instead of typing text. There are several ways you can do this.

- Write neatly on clear blank paper, scan it or take a picture, and upload it. Scanning is generally much easier to read, so do that if you can.
- Type into Microsoft Word. Save it as `.docx` or `.pdf` and upload it. There are math extensions for Word if you are so inclined.
- Type into a text editor like Notepad. This create a `.txt` file which you can upload.

Do your best with AP Classroom. If, after you have finished the assessment, if you feel you were not able to input your best work into AP Classroom, you may optionally additionally upload it into teams. I will make an assignment for this, but I hope you don't have to use it.

One small part of one of the problems requires L'Hospital's Rule, so review that.

Good luck! This will count as a quiz.

L'Hospital's Rule says that if f and g are differentiable at $x = a$, and $\lim_{x \rightarrow a} f(x) = 0$, and $\lim_{x \rightarrow a} g(x) = 0$, then

$$\lim_{x \rightarrow a} \frac{f(x)}{g(x)} = \lim_{x \rightarrow a} \frac{f'(x)}{g'(x)}.$$

For example,

$$\lim_{x \rightarrow 0} \frac{e^{2x} - 1}{x^2 + 3x} = \lim_{x \rightarrow 0} \frac{2e^{2x}}{2x + 3} = \frac{2}{3}.$$