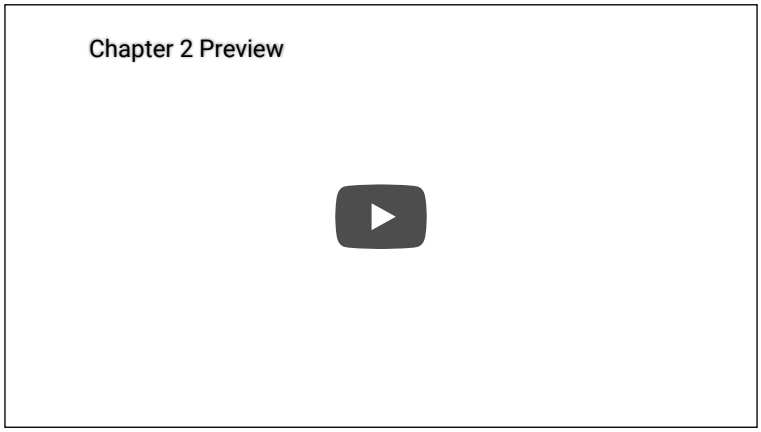
question 2 views

Daily Challenge 6.7

(**Due Thursday 6/7 at 11:59 pm Eastern**)

Again, no serious work today since you've been traveling, but I will ask you to spend ~13 minutes watching this quick ch 2 preview video, and to answer a few qualitative questions when you get the chance.



Questions

(a) Explain what a "limit" is, as you presently understand it. (It's okay to be non-rigorous for now.)

(b) In your own words, what is meant by a "pathology" in mathematics?

(c) Of all the things we've discussed and worked on in this group so far, which has been the most helpful to you?

daily_challenge

Updated 10 months ago by Christian Ferko

the students' answer, *where students collectively construct a single answer*

1. As I understand it, a limit is the output of a given function for the value $x = \infty$.
2. A pathology is the possible minor and major variations that affect the calculated limit of a function in undesirable ways, or ways that aren't known whether they should be taken into account.
3. The most helpful and probably most enjoyable concept I have learned more about thanks to the calculus group would likely be the trigonometric section as a whole. In particular, I'd like to see how the functions cotangent, secant, and cosecant are used since we never really "applied" them.

Updated 10 months ago by Logan Pachulski

the instructors' answer, *where instructors collectively construct a single answer*

Click to start off the wiki answer

followup discussions *for lingering questions and comments*