Part I: Read and Respond (prepare for class Monday, April 14)

This has several subparts; please do them in order.

1. Read the first two paragraphs of Section 4.6 (up to "Monotone Functions"), skipping the exercise.

2. Read Section 4.7, just getting the idea.

3. Without looking it up, write down what you remember about the definition of the derivative. (This is part (a) of Part I; it's a check on what stuck with you from calculus, and I will not judge you for your memory, so be honest ☺.)

4. Read Section 5.1.

Part II: Exercises (prepare for class for Monday, April 14)

No Part II this time, but review the setup for the IVT proof (both versions) in Section 4.5 so that we can work on that in class.

Part III: Problems (due Wednesday, April 16 at the beginning of class)

You can do an extra revision this week. No other new Part III problems.

Chapter 4 Quiz

We forgot to discuss this at the end of class, but I truly think it will be better for you if we do the Chapter 4 quiz on Wednesday before break. It's a short quiz; you'll just need to know definitions of functional limits, continuity at a point, and uniform continuity, the main results from Chapter 4, and be able to apply the definitions. If it's an extreme hardship for you to take it before break, talk to me!