Any current issues in your own teaching?
Wrapup From Last Time

- Questions about last week’s slides?
- Questions arising from the assignment?
Wrapup From Last Time

- Questions about last week’s slides?
- Questions arising from the assignment?
Wrapup From Last Time

- Questions about last week’s slides?

- Questions arising from the assignment?
Random Tips

- Keep all of your lecture notes! Include notes about what did or did not go well.

- Experiment to find your “sweet spot” for when to prepare.

- Again: work through your examples and proofs beforehand. More than once, if needed.
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- Again: work through your examples and proofs beforehand. More than once, if needed.
Chapter 3 may be more controversial (?) than Chapters 1 and 2.

Even if you disagree with everything he writes, here’s the takeaway: *It’s important to spend time thinking and reflecting about teaching.*
Tough Question

Why do we need mathematics teachers?
More Tough Questions

- Why do we teach calculus?

- If you could change one thing in a standard calculus course, what would it be?
More Tough Questions

- Why do we teach calculus?

- If you could change one thing in a standard calculus course, what would it be?
My Warning about Caring

Many excellent teachers joke around and say cynical things about students. (Much like doctors and “gallows humor.”)

Be careful: it’s very easy to lose a student’s confidence over seemingly trivial remarks.
General Discussion

What are your comments or questions about these sections?

3.3 Caring
3.5 Why Do We Need Mathematics Teachers?
3.8 Inductive vs. Deductive Method
3.10 Teaching Reform
3.12 How to Ask, How to Answer