

Math 2D – Suggested Homework 5

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Thursday, May 3, 2018

Note: The Midterm will be held on Friday, May 4, 2018, at the usual lecture time in the usual lecture room. It covers everything up to and including Section 14.4: Tangent Planes and Linear Approximations. If you'd like more info about the format and the contents of the exam, please check out the study guide and the mock exam on my website.

Note: I'd like to remind you that there is no quiz on **Thursday, May 3**, because there's the exam on the day after!

Reading: Sections 14.3 and 14.4. Again, tons of useless information in section 14.3, you don't need to know the definition of the partial derivatives as a limit, just know how to compute them. Basically, start reading from Example 1 on. You don't need to know the Interpretation of Partial Derivatives (although it's useful), but know examples 4 and 5. Skip the section on the Cobb-Douglas Production Function. Same goes for section 14.4, basically know how to do examples 1, 2, 4, 5, and 6, and you'll be fine. Don't worry too much about the theoretical stuff on pages 930 – 932.

- **Section 14.3:** 15, 20, 21, 33, 39, 42, 50, 53, 59, 64, 76(f), 79, 97
- **Section 14.4:** 2, 5, 13 (just find L), 18, 21, 26, 33, 34