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MA 442
Spring 2021

Homework 2

Due February 3rd on paper at the beginning of class. Justify your answers. Please let me know if you have a question or find a mistake.

1. Spivak Problem 2-13.
2. Spivak Problem 2-19.
3. Exercises 2, 3, 3A, and 4 of Section 2.1 of Taylor's book `https://mtaylor.web.unc.edu/wp-content/uploads/sites/16915/2018/04/analmv.pdf`. For Exercises 2 and 3, omit proving that H and Φ are C^1, and for Exercise 4, omit the generalization to $\mathbb{C}^n$ and $\mathbb{C}^m$.