

Mathematics UN1102 Section 1, Fall 2019 — Homework 7

Due date: 1:10pm on Wednesday, October 30, 2019 on Gradescope.

Instructions: Please present your solutions in a legible, coherent manner. Unless otherwise specified, you should show your work; you will be evaluated on both your reasoning and your answer. Points may be deducted for unclear or messy solutions.

Collaboration and Academic Integrity: You are encouraged to collaborate on homework. However, you must write your solutions alone and **understand what you write**. When submitting your homework, list in the space below any sources you used (in print, online, or human) other than the textbook or the teaching staff.

Problems: All problems are from the course textbook *Calculus: Early Transcendentals* (8th edition).

- Section 11.2: 30
- Section 11.4: 37, 42
- Section 11.5: 12, 18
- Section 11.6: 3, 36, 44
- Section 11.7: 13, 26