

## Mathematics UN1102 Section 1, Fall 2019 — Homework 12

Due date: 1:10pm on Monday, December 9, 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 9.5: 8, 14, 20, 26, 28