

Mathematics UN1102 Section 1, Fall 2019 — Homework 9

Due date: 1:10pm on Wednesday, November 13, 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). Please state clearly which convergence tests you are using!

- Section 11.9: 16
- Section 11.10: 3, 7, 10, 14, 22, 41, 55, 63, 65