

Mathematics UN1102 Section 1, Spring 2020 — Homework 10

Due date: 1:10pm on Wednesday, April 15, 2020 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 10.1: 14
- Section 10.2: 33, 34, 42
- Section 10.3: 17, 20, 61
- Section 10.4: 29, 30, 35