

Math 15200/14 Homework 2

Due date: Thursday, October 17, 2019, 5pm (in my mailbox in Eckhart basement)

Please present your solutions clearly and in an organized way. Think of it this way: if you show it to another student in this class, he/she should be able to understand it without needing to ask you questions.

October 10

Goals:

- Review the mean value theorem
- Compute upper and lower Riemann sums

Exercises 4.1:

- 5, 7, 20

Exercises 5.2:

- 1, 5, 7, 8, 9 (Also, sketch pictures for the upper and lower Riemann sums)
- 11

Exercises 5.3:

- 1, 3

October 15

Goals:

- Apply fundamental theorem of calculus
- Use integrals to find area

Exercises 5.3:

- 7, 9

Exercises 5.4:

- 9, 19, 25, 33, 50

Exercises 5.5:

- 15, 19

This is all for HW 2.