Math 15300/14 Homework 9

Due date: **Wednesday, March 11, 2020, 8pm** (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.

Wolfram Alpha

Wolfram Alpha is a very useful tool. Check it out if you have not used it before: `http://wolframalpha.com`. For example, try entering the following text into Wolfram Alpha:

- `plot y = sin(1/x)` (direct link)
- `integrate x/(x^2+2x+5)^2 dx` (direct link)
- `eevee curve` (direct link)

March 5

Goals:

- Work with gradients and level curves/surfaces

Section 16.4:

- 1, 3, 11, 15, 34, 35

Section 17.2:

- 11

This is all for HW 9. This is all the homework for the quarter!