

## Basic Information

This assignment is due on Gradescope by **1:30 PM on Friday, February 28**.

Make sure you understand MHC [honor code](#) and have carefully read and understood the additional information on the [class syllabus](#). I am happy to discuss any questions or concerns you have!

Since this is a 200-level mathematics course, quite a few homework questions will ask you to explain your reasoning or process for solving a problem. Whenever possible, write your explanations in complete sentences and write your answers as if you were explaining to a peer in the class.

The homework problems will be graded anonymously so please do not put your name or other identifying information on the pages.

## Turn In Problems

- 12.3: 10, 14, 20, 26, 34
- 12.7: 18
- #7. On the next page are three surfaces, labeled  $a$ ,  $b$ , and  $c$ . One of the graphs is a function  $f$  and the other two are graphs of the partial derivatives  $f_x$  and  $f_y$ . Determine which surface is which, and give reasons for your choices.

## Additional Problems (to do on your own, not to turn in)

- 12.3: 5, 9, 13, 17, 19, 33
- 12.7: 17

