

MATH 203 Calculus III

Homework 15

Basic Information

This assignment is due on Gradescope by **3 PM on Friday, November 8**.

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

13.1: 20

13.2: 10, 16a and b

13.3: 4, 6, 12 For #6, it might help to know that $\sin^2 x = 1 - \cos 2x$.

13.6: 18

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

13.1: 19

13.2: 9, 15 a and b

13.3: 3, 7, 11

13.6: 17