

MATH 203 Calculus III

Homework 16

Basic Information

This assignment is due on Gradescope by **3 PM on Tuesday, November 12**.

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

13.3: 14

13.6: 10: set up all 6 integrals, but don't integrate any of them.

14: set up dz dx dy and dz dy dx

Desmos Link: <https://www.desmos.com/3d/ibav15v35y>

13.7: 8, 12, 20

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

13.3: 13

13.6: 9, 13: Set up as many as you can for each of these. Don't worry about integrating them unless you feel like you need the practice.

13.7: 7, 11, 19