

MATH 203 Calculus III

Homework 2

Basic Information

This assignment is due on Gradescope by **1:30 PM on Tuesday, February 4**.

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

- Are the following quantities vectors? Explain your answer in complete sentences.
 - (a) The cost of a movie ticket
 - (b) The current in a river
 - (c) The initial flight path from Boston to Hartford
 - (d) The size of the national debt
- 10.1: 14 Describe your answer in words and try to answer the problem without relying on a graphing device
- 10.2: 8, 12, 20, 22
- 10.3: 6, 18

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

- 10.1: 13
- 10.2: 7, 11, 19, 23
- 10.3: 5, 17