

MATH 2110Q - Multivariable Calculus
Fall 2016

EXAM 2 REVIEW IN PAIRS (OR MORE)

Practice is one of the keys to preparing for the exam. The exercises from our text listed below are meant to touch upon some material in each of the relevant sections. **These are not exhaustive—lots of other things could appear on the exam, so make sure to look over WebAssign, worksheets, quizzes, and lecture and discussion notes to get a complete overview.**

There are two lists of exercises to encourage you to work on these in pairs (bigger groups could work too). **The idea is that you would work on the exercises in one list, and a friend would work on the exercises in the other. Then, you would take turns explaining your work to one another.** This last part is more than just re-hashing your work; it's a chance to practice reasoning with these concepts and identify areas where you might not be completely comfortable.

The exercises are even-numbered so the answers are not in the back of our text—this is on purpose. The goal is to get to a point where you can confidently complete these with supporting work and justification to convince yourself (and your peers) that you are correct. Two things are key here:

- Always make sure you can justify every step of your work.
- Questions are significantly easier when you know what section they come from. Once you work out the answer to a question, go back to the start and think about how you would identify the appropriate method/approach to use if it came up on the exam.

The first two numbers of each question give the section number, and the last is the exercise number within that section:

14.7.8	14.7.6
15.1.22	14.7.18
15.1.38	15.1.20
15.2.22	15.2.10
15.2.52	15.2.54
15.3.12	15.3.22
15.3.26	15.6.12
15.6.22	15.6.32
15.7.30	15.7.20
15.8.30	15.8.26