

MIDTERM REVIEW  
Calculus 3–Block 8, 2016

The exam will be available at 8:30AM on Thursday, and due by 3PM. You must do the exam in one sitting—that is, do not go to lunch, or a meeting, or to run an errand in the middle of the exam. I believe the exam is 4 or 5 quizzes long, so I believe everyone can finish within 3 hours (but this is not required). The Honor Code rules are: no help from other people, and no books or notes except one 8-1/2" x 11" sheet of paper with writing on both sides that you prepared for yourself before the exam. You will not be allowed to use a calculator or computer, but I will try to make the arithmetic easy.

List of sections covered:

Chapter 10: (in 10.1 not responsible for  $\epsilon$  definition of limit,  
in 10.7 not responsible for error term.)  
Chapter 11: (in 11.1 not responsible for area under curve)  
Chapter 12: (lightly) 12.1-12.5  
Chapter 13: 13.1-13.5 (in 13.4 not responsible for osculating plane  
and osculating circle)  
Chapter 14: 14.3-14.7

Practice problems:

- p575-577 15, 22, 38, 41, 46, 49, 80, 81, 89, 91, 103, 115, 128
- p622-623 3, 13, 21, 23
- p685-687 16, 32, 47, 52
- p737-738 13, 15, 19, 21, 29, 31, 35
- p818-820 19, 23, 29, 33, 41, 47, 52