QUIZ 5 STUDY GUIDE

PEYAM RYAN TABRIZIAN

Note: This quiz will be easier than the last quiz! In fact, it will be one of the easiest quizzes, except for maybe one question, which is on this study guide!

Know how to:

- Find the most general antiderivative of a function (4.9.3, 4.9.13, 4.9.15)
- Find an antiderivative that satisfies a given condition (4.9.29, 4.9.31, 4.9.49)
- Find an expression for the area under a graph of a given function f as a limit (5.1.17, 5.1.19)
- Find a region whose area is equal to a given limit (5.1.20, 5.1.21)
- Express a limit as a definite integral on a given interval (5.2.17, 5.2.19)
- Express a limit as a definite integral (5.2.69, 5.2.70)
- Evaluate integrals using the fundamental theorem of calculus (**any** problem between 5.3.19 and 5.3.40 would do!)
- Evaluate a limit by recognizing a sum as a Riemann sum and using the FTC (5.3.65, 5.3.66)

Date: Wednesday, November 10th, 2010.