Math 125-Quiz 11¹ September 28, 2011

You have ten minutes to complete this quiz.

1. Suppose that f(x) is a continuous function. What is the slope of the tangent line to f(x) when x = a?

2. Determine the equation of the tangent line to $f(x) = x^2 + 3$ when x = 2. (Be sure to show all of your work with limits here...)

3. Determine the slope of the tangent line to $f(x) = \sqrt{x}$ when x = 4. (...and here.)

¹You are excused to leave when you're finished with this quiz.