Math 1010 - Quiz 11

University of Utah

Fall 2009

Name: ________________________________

NOTE: There are three pages of questions, so be sure to answer the question on the back of the exam.
1. Find the inverse of the function: (4 points)

\[ f(x) = 4x - 7. \]

2. Calculate the following:

(a) \( \log_3(9); \) (2 points)
3. You invest $100 in the bank, and your account generates 4% interest, compounded annually. How many years will it take for your investment to double? Give your answer just in terms of logarithms, you don’t need a decimal value. (4 points)
4. What suggestions would you have for improving this class?¹ (5 points extra credit)

¹Yes, I know this won’t be anonymous, but I promise I have a thick skin and a broad back, and it takes a lot to make me cry. More important, I don’t hold grudges, especially when it comes to calculating final grades. So, please, just be candid.