MATH 2
PROBLEM OF THE WEEK 1
Due Friday, January 10th, 2003 before the quiz.

Please show all your work!

Name:

Problem 1. Given a function $f(x)$ find the formula for the derivative of

(1) $f^{-1}(x)$ and

(2) $(f(x))^{-1}$

in terms of $f(x)$.

Problem 2. Suppose that you’re given the graph of a function $f(x)$:

Graph

(1) $f^{-1}(x)$

(2) $(f(x))^{-1}$