Math 126: Calculus II   Name:_____

Quiz 1   *Aug. 29, 2000*   Section:_____

a. In the plot below, you will find the graph of a function $y = f(x)$ together with the graph of $y = x$. On this plot, sketch the graphs of the inverse of f, the tangent line to the graph of f at $x = 0.2$ and the tangent line to the graph of f^{-1} at $x = 1.16$.

b. $f(0.2) = 1.16$ and $f'(0.2) = 0.62$. Find $\dfrac{df^{-1}}{dx}(1.16)$. Your answer should be consistent with your sketch in part a.