Math 101
Quiz 4
March 2, 2011

Name : _____

ID# : _____

Department : _____

Section : _____

QUESTION: a) Find the standard linear approximation of the function $f(x) = x \tan^{-1} x$ at $x = 1$. b) Let $y = \sin^{-1} x$. Find the differential of y when $x = 1/2$.

SOLUTION: