

NAME:

Math 105 - Quiz 10 - October 31, 2007

Instructions: Show all of your work and circle your final answers. Calculators are allowed, but notes and books are not.

1. (10 pts.) Simplify $f(x) = \cos(\arctan(2x))$.

2. (10 pts.) Let $g(x) = \frac{\ln x}{\sqrt{2} + \cos x}$. Find $g'(x)$.