NAME:

Math 105 - Quiz 6 - October 30, 2006

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

1. Simplify $\tan(\arccos 3x)$.

2. Consider the graph given by the equation $y^2(2-x)-y=2x^3$. Find the slope of the graph at the point $(1,2)$.

3. Evaluate $\dfrac{d}{dx}\left(\sin^3(\ln x)\right)$.