MAT 170 Section 005

October 5, 2005

Names _____

Please work in groups with no more than four people and complete this worksheet during class. Hand in one worksheet for each group.

1. Find $\dfrac{d}{dx}\left[\ln\left(\dfrac{x^2\sin x}{\sqrt{1+x}}\right)\right]$.

2. Use Logarithmic differentiation to find y' if $y = \dfrac{x^3\sqrt{x-5}}{1+\sin^3 x}$.