MATH 131, Fall 2019   Name: _____

Quiz 5-Alternate

10/10/19   Section:_____

For full credit you must present a clearly organized solution, showing all supporting calculations.

1. Compute $\dfrac{\mathrm{d}}{\mathrm{d}t}\left(\cos\left(2\arctan t^3\right)\right)$. You do not need to simplify.

2. Use logarithmic differentiation to find y' for $y = \sqrt[3]{x}^{\,2\arcsin(x)}$.