

Last Name: _____

First Name: _____

Student ID: _____

Quiz 6 (A)

Question 1. Find the derivatives of the following functions (do not simplify):

(a) (2 marks) $f(x) = \frac{\sqrt{x} + 1}{x^2 + 1}$

(b) (4 marks) $f(t) = (2t - 1)^4 + (2t + 1)^4$

(c) (4 marks) $f(x) = \frac{1}{\sqrt{2x^2 - 1}}$