

Last Name: _____

First Name: _____

Student ID: _____

Quiz 6 (B)

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

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

(b) (4 marks) $y = \frac{1}{(4x^4 + x)^{3/2}}$

(c) (4 marks) $f(x) = \sqrt{x+1} - \sqrt{x-1}$