

Last Name: _____

First Name: _____

Student ID: _____

Quiz 6 (B)

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

(a) (4 marks) $f(x) = \sqrt{(x+3)(x^2-1)}$

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

(c) (2 marks) $f(x) = \sqrt{x+1} - \sqrt{x-1}$