

Last Name: _____

First Name: _____

Student ID: _____

Quiz 5 (A)

Question 1. Find the derivatives of the following functions:

(a) (1 marks) $f(r) = \pi r^2$

(b) (3 marks) $f(x) = 2x - 5\sqrt{x}$

(c) (3 marks) $f(t) = \frac{4}{t^4} - \frac{3}{t^3} + \frac{2}{t}$

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