

Last Name: _____

First Name: _____

Student ID: _____

Quiz 6

Question 1. Find the following

(a) (5 marks) $\int \cos^4(3t) \sin^2(3t) dt$

(b) (5 marks) $\int_{\pi/6}^{\pi/4} \cot^5 x \csc^3 x dx$

(c) (5 marks) $\int \frac{dx}{\sqrt{x^2 - 4x}}$