

Last Name: _____

First Name: _____

Student ID: _____

Quiz 6

Question 1. Evaluate the following integrals:**(a)** (5 marks)

$$\int_0^{\pi/4} \tan^3 x \sec^4 x \, dx$$

(b) (5 marks)

$$\int x^3 \sqrt{9-x^2} \, dx$$