

Last Name: _____

First Name: _____

Student ID: _____

Quiz 4

Question 1. Evaluate the following:.

(a) (4 marks)

$$\frac{d}{dx} \int_{e^x}^0 \sin^3 t \, dt$$

(b) (2 marks)

$$\int \sqrt{\cot x} \csc^2 x \, dx$$

(c) (4 marks)

$$\int_1^4 \frac{e^{\sqrt{x}}}{\sqrt{x}} \, dx$$