

Student ID:

MATH102, Section 1
Spring 2018, Term 172

Quiz 4
Version A

Student Name:

Serial Number: _____

Instructions: Show Your Work!

1. (3 pts) Integrate

$$\int \frac{2^x}{4^x + 1} dx$$

2. (3 pts) Integrate

$$\int \frac{\sec^2 x}{\tan^2 x + 3 \tan x + 2} dx$$

3. (3 pts) Evaluate

$$\int_{-1}^0 \sqrt{x^2 + 2x + 2} dx$$

4. (3 pts) Find

$$\int \cos x \cos^5(\sin x) dx$$
