

Calculus 1B Quiz 10

Name:

GSI: Paul Baginski

Student ID:

1. (1 point) Evaluate

$$\int_0^{\frac{\pi}{3}} \sin^2(3x) dx$$

2. (1 point) Integrate

$$\int \sec(x)^4 \tan^{11}(x) dx$$

(turn over)

3. (1 point) Integrate

$$\int \frac{(1 + \cos(2x))^2}{\cos(x)}$$