

MATH1B: QUIZ 1

Name: _____

Section: 207

Problem 1. *Solve the integral*

$$\int \sec^4 x \tan^3 x \, dx.$$

Problem 2. *Evaluate the integral*

$$\int_0^1 t^2 e^t \, dt.$$

Problem 3. *Solve the integral*

$$\int \frac{dx}{\sqrt{x^2 + 6x + 10}}.$$

Problem 4. *Solve the integral*

$$\int \frac{x^2 - 7}{x^2 + 4x + 3} dx.$$