

Name _____ Student number _____ Quiz section: _____

1 : (5 pts) Evaluate

$$\int \frac{\sin^2 x}{\cos^4 x} dx.$$

2 : (3 pts) Evaluate

$$\int \sqrt{x}(x + \sqrt{x} - 1)dx.$$

3 : (6 pts) Evaluate

$$\int \frac{\sin x}{\cos^2 x - \cos x - 2} dx.$$

4 : (6 pts) Evaluate

$$\int e^{\sqrt{x}} dx.$$