

**EEE 208 – Programming for EEE
Homework #7**

1. Evaluate the integral

$$\int_1^2 x \sin^2 x dx$$

2. Evaluate the integral

$$\int_1^2 \sin(x^2) dx$$

3. Evaluate the integral

$$\int_0^2 y(x) dx$$

where y is defined as $x = y + \sin y$.