

**Assignment #7****Name** \_\_\_\_\_**Due 8 March 2015**

1. Evaluate the following integrals:

(a)  $\int_0^{\infty} x^2 e^{-x} dx$

(b)  $\int_0^1 x \ln(x) dx$

(c)  $\int_0^1 \frac{x^3}{\sqrt{1-x^2}} dx$