

Math 122 Worksheet 1

Evaluate:

1.  $\int x e^{-x^2} dx$

2.  $\int_0^2 \frac{x}{\sqrt{x^2 + 5}} dx$

3.  $\int x^3 \ln x dx$

4.  $\int 2x e^{3x} dx$

5.  $\int \frac{x}{(1+3x)^2} dx$

6.  $\int_0^2 \frac{x+1}{\sqrt{2+3x}} dx$