Due at the beginning of class July 25, 2012
Name

1 Integrals

Evaluate the following integrals using Maxima. There are both indefinite and definite integrals.

2 Example Code

Remember to Shift-Enter each command below.
integrate(x^4, x);
integrate(x^4, x, 2, 3);

3 \( \int_{12}^{15} \frac{\ln(x)}{x^5} dx = \)

4 \( \int_{-5}^{-3} x^5 e^{x^3} dx = \)

5 \( \int csc^2(x) dx = \)

6 \( \int sec(x) \tan(x) dx = \)
7  \[ \int \sec(x) = \]

8  \[ \int \tan(x) = \]

9  \[ \int_{5}^{6} \frac{x^3 e^{x^2}}{(x^2 + 1)^2} dx = \]