

Name _____

Homework 23

Section 7.1

Evaluate each of the following integrals. Be sure that your answers to indefinite integrals are in terms of the same variables as the original integral.

1. (5) $\int 2x(x^2 + 3)^4 dx$

2. (5) $\int \frac{t}{\sqrt{t^2 + 4}} dt$

3. (5) $\int \frac{6}{x \ln x} dx$

4. (5) $\int_{-1}^{3/2} \cos(\pi(x+1)) dx$