

Name \_\_\_\_\_

Homework 2  
section 7.1

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

1. (5)  $\int 4e^{2\theta} \sec(e^{2\theta}) \tan(e^{2\theta}) \, d\theta$

2. (5)  $\int_{-1}^1 \frac{1}{1+y^2} \, dy$

$$3. \quad (5) \quad \int \frac{t^2 + t}{(4 - 3t^2 - 2t^3)^4} dt$$

$$4. \quad (5) \quad \int \frac{dx}{2 + 2\sqrt{x}}$$