

Name _____

Homework 25
Section 7.1

1. (3) Determine the indefinite integral $\int 2x(x^2 + 3)^4 dx$

2. (4) Determine $\int te^{-t^2} dt$

3. (3) Find the indefinite integral: $\int x (x^3 - 1)^2 dx$

4. (5) Compute the value of the definite integral $\int_1^2 \frac{14}{\sqrt[3]{7x-6}} dx$

5. (5) Compute the definite integral: $\int_{-\sqrt{\frac{\pi}{3}}}^{\sqrt{2\pi}} \theta \sin(\theta^2) d\theta$