

Name: \_\_\_\_\_

## Calculus Your Try Problems for Chapter 7

$$7a) F(x) = \int (2x+3) \cos(x^2+3x) dx$$

$$7k) F(x) = \int \frac{1}{x^2+1} dx$$

$$7b) F(x) = \int \frac{\sec^2 3x}{\tan 3x} dx$$

$$7 L/m) F(x) = \int \frac{1}{x^2 \sqrt{x^2+1}} dx$$

$$7c) F(x) = \int 9e^{6x} dx$$

$$7n1) F(x) = \int_3^5 \frac{1}{(x-3)^4} dx$$

$$7d) F(x) = \int \frac{\sqrt{x}}{\sqrt{1+\sqrt{x}}} dx$$

$$7n2) F(x) = \int_5^{\infty} \frac{1}{(x-3)^4} dx$$

$$7e) F(x) = \int 3xe^{2x} dx$$

$$7n3) F(x) = \int_3^5 \frac{1}{\sqrt[4]{x-3}} dx$$

$$7f) F(x) = \int (x^2+3x+2)5^x dx$$

$$7n4) F(x) = \int_5^{\infty} \frac{1}{\sqrt[4]{x-3}} dx$$

$$7g) F(x) = \int \sin 2x e^{-x} dx$$

$$7h) F(x) = \int \frac{1}{x^2-1} dx$$

$$7o1) F(x) = \int \tan^{-1} x dx$$

$$7i) F(x) = \int \frac{x^3+3x}{x^2-x-2} dx$$

$$7o2) F(x) = \int \frac{\sqrt{x^2-1}}{x^2} dx$$