

Corrective Assignment #1

NAME: _____

DATE: _____

Evaluate the definite integral.

1.
$$\int_0^1 x(x^2 + 1)^3 dx$$

2.
$$\int_0^2 3x^2 \sqrt{x^3 + 1} dx$$

3.
$$\int_0^4 \frac{1}{\sqrt{2x + 1}} dx$$

4.
$$\int_1^2 e^{1-x} dx$$

Evaluate the definite integrals.

5. $\int_1^e \frac{(1 + \ln x)^2}{x} dx$

6. $\int_0^{\frac{\pi}{8}} \tan(2x)\sec^2(2x) dx$

ANSWERS TO CORRECTIVE ASSIGNMENT

1. $\frac{15}{8}$	2. $\frac{52}{3}$	3. 2	4. $1 - \frac{1}{e}$
5. $\frac{7}{3}$	6. $\frac{1}{4}$		