

Corrective Assignment #2

NAME: _____

DATE: _____

Evaluate the definite integral.

1.
$$\int_0^1 x^3(2x^4 + 1)^2 dx$$

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

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

4.
$$\int_0^1 e^{-2x} dx$$

Evaluate the definite integrals.

5. $\int_e^{e^2} \frac{1}{x \ln x} dx$

6. $\int_0^{\frac{\pi}{12}} \frac{\cos(2x)}{\sin(2x) + 1} dx$

ANSWERS TO CORRECTIVE ASSIGNMENT

1. $\frac{13}{12}$	2. $\frac{1}{3}$	3. 1	4. $\frac{1}{2} - \frac{1}{2e^2}$
5. $\ln 2$	6. $\frac{1}{2} \ln\left(\frac{3}{2}\right)$		