

Name _____

1. Evaluate the following indefinite integrals.

(a) $\int x^2(x^3 + 1)^9 dx$

(b) $\int \cos^3(x) \sin(x) dx$

(c) $\int \cot^2 x \csc^2 x \, dx$

(d) $\int \tan^5 x \cos^6 x \, dx$

(e) $\int 2x \cos(4x^2 + 3) dx$

(f) $\int \frac{6}{1 + 9x^2} dx$

(g) $\int \frac{x^2 + 4}{x^3} dx$