

Calculus BC CW on Integration

1.  $\int (1+e^x)^2 dx$

2.  $\int x \cos(2x) dx$

3.  $\int \cos^3 x \sin x dx$

4.  $\int \frac{dx}{\sqrt{1-16x^2}}$

5.  $\int \frac{\ln x^2}{x} dx$

6.  $\int \frac{4}{4x^2 + 4x + 65} dx$

7.  $\int \sec^6 4x \tan 4x dx$

8.  $\int \frac{dx}{\sqrt{4x^2 + 1}}$

9.  $\int \frac{2}{x\sqrt{x^2 - 9}} dx$

10.  $\int \frac{dx}{\sqrt{x^2 - 4}}$

11.  $\int x^2 \sin x dx$

12.  $\int \frac{e^x}{1+e^{2x}} dx$

13.  $\int \theta \sec \theta \tan \theta d\theta$

14.  $\int x \sec^2 x dx$

15.  $\int \cos^3 x \sin^2 x dx$

16.  $\int \sin^5 x \cos^2 x dx$

17.  $\int \frac{dx}{2+9x^2}$

18.  $\int x^2 \ln x dx$

19.  $\int e^{-x} \sin x dx$

20.  $\int \cos^3 \frac{x}{3} dx$

21.  $\int x^2 \sin^2 x dx$

22.  $\int \csc^2 2x dx$