

1.  $\int \cos^7 x \, dx$
2.  $\int x \sec x \tan x \, dx$
3.  $\int \cot^6 x \, dx$
4.  $\int \csc^4 x \cot^4 x \, dx$
5.  $\int \sin^2 x \cos^2 x \, dx$
6.  $\int \sin(\ln x) \, dx$
7.  $\int \frac{\sin^3 x}{\sqrt{\cos x}} \, dx$
8.  $\int \tan^3 x \sec^3 x \, dx$
9.  $\int \tan x \ln(\cos x) \, dx$
10.  $\int_1^3 \frac{e^{\frac{1}{x}}}{x^2} \, dx$
11.  $\int e^x \tan e^x \, dx$
12.  $\int \frac{x^3}{e^{x^2}} \, dx$
13.  $\int \frac{x^4}{(x-1)^2(x+2)} \, dx$
14.  $\int \frac{1}{e^x \sqrt{4+e^{2x}}} \, dx$
15.  $\int \frac{2x^3 + x^2 + 2}{x^3 + 1} \, dx$
16.  $\int (e^{3 \ln x})^2 \, dx$
17.  $\int \frac{\ln 2x}{x^2} \, dx$
18.  $\int x^3 \sin x \, dx$
19.  $\int_0^1 \ln(1+3x) \, dx$
20.  $\int \frac{\sqrt{x}}{1-x\sqrt{x}} \, dx$
21.  $\int \sin^4 3x \, dx$
22.  $\int (\ln x)^3 \, dx$
23.  $\int (x \ln x)^{-1} \, dx$
24.  $\int \csc 3x \, dx$
25.  $\int x^3 \cos x^2 \, dx$
26.  $\int \frac{x+1}{x^4+3x^2} \, dx$
27.  $\int x\sqrt{1-x}\sqrt{x-5} \, dx$
28.  $\int x^2 \tan^{-1} x \, dx$
29.  $\int \frac{1}{(9-4x^2)^{\frac{3}{2}}} \, dx$
30.  $\int \frac{\ln(\tan^{-1} x)}{x^2+1} \, dx$
31.  $\int \frac{\sin^{-1} x}{\sqrt{1-x^2}} \, dx$
32.  $\int \sin^{-1} x \, dx$
33.  $\int 2\pi x(8-x^{\frac{3}{2}}) \, dx$
34.  $\int_0^{\frac{\pi}{2}} \sin^2 x \cos^5 x \, dx$
35.  $\int e^x \cos 2x \, dx$
36.  $\int \ln\left(\frac{x^3}{2x+1}\right) \, dx$
37.  $\int \csc^3 x \, dx$
38.  $\int_1^2 \frac{x^2+3x+7}{\sqrt{x}} \, dx$
39.  $\int (\sin x + e^x)^2 \, dx$
40.  $\int x(x+5)^{\frac{7}{2}} \, dx$
41.  $\int \sec^5 x \tan^3 x \, dx$
42.  $\int 2^x e^x \, dx$
43.  $\int \frac{7x^2+6x+5}{x^3+x^2+x-3} \, dx$
44.  $\int \tan^5 x \, dx$
45.  $\int \frac{\sqrt{x}}{1+x} \, dx$