

# ANTON 8.3

1.  $\int \cos^3 x \sin x \, dx$
2.  $\int \sin^5 3x \cos 3x \, dx$
3.  $\int \sin^2 5\theta \, d\theta$
4.  $\int \cos^2 3x \, dx$
5.  $\int \sin^3 a\theta \, d\theta$
6.  $\int \cos^3 at \, dt$
7.  $\int \sin ax \cos ax \, dx$
8.  $\int \sin^3 x \cos^3 x \, dx$
9.  $\int \sin^2 t \cos^3 t \, dt$
10.  $\int \sin^3 x \cos^2 x \, dx$
11.  $\int \sin^2 x \cos^2 x \, dx$
12.  $\int \sin^2 x \cos^4 x \, dx$
13.  $\int \sin 2x \cos 3x \, dx$
14.  $\int \sin 3\theta \cos 2\theta \, d\theta$
15.  $\int \sin x \cos(x/2) \, dx$
16.  $\int \cos^{1/3} x \sin x \, dx$
17.  $\int_0^{\pi/2} \cos^3 x \, dx$
18.  $\int_0^{\pi/2} \sin^2 \frac{x}{2} \cos^2 \frac{x}{2} \, dx$
19.  $\int_0^{\pi/3} \sin^4 3x \cos^3 3x \, dx$
20.  $\int_{-\pi}^{\pi} \cos^2 5\theta \, d\theta$
21.  $\int_0^{\pi/6} \sin 4x \cos 2x \, dx$
22.  $\int_0^{2\pi} \sin^2 kx \, dx$
23.  $\int \sec^2(2x - 1) \, dx$
24.  $\int \tan 5x \, dx$
25.  $\int e^{-x} \tan(e^{-x}) \, dx$
26.  $\int \cot 3x \, dx$
27.  $\int \sec 4x \, dx$
28.  $\int \frac{\sec(\sqrt{x})}{\sqrt{x}} \, dx$
29.  $\int \tan^2 x \sec^2 x \, dx$
30.  $\int \tan^5 x \sec^4 x \, dx$
31.  $\int \tan 4x \sec^4 4x \, dx$
32.  $\int \tan^4 \theta \sec^4 \theta \, d\theta$
33.  $\int \sec^5 x \tan^3 x \, dx$
34.  $\int \tan^5 \theta \sec \theta \, d\theta$
35.  $\int \tan^4 x \sec x \, dx$
36.  $\int \tan^2 x \sec^3 x \, dx$
37.  $\int \tan t \sec^3 t \, dt$
38.  $\int \tan x \sec^5 x \, dx$
39.  $\int \sec^4 x \, dx$
40.  $\int \sec^5 x \, dx$
41.  $\int \tan^3 4x \, dx$
42.  $\int \tan^4 x \, dx$
43.  $\int \sqrt{\tan x} \sec^4 x \, dx$
44.  $\int \tan x \sec^{3/2} x \, dx$
45.  $\int_0^{\pi/8} \tan^2 2x \, dx$
46.  $\int_0^{\pi/6} \sec^3 2\theta \tan 2\theta \, d\theta$
47.  $\int_0^{\pi/2} \tan^5 \frac{x}{2} \, dx$
48.  $\int_0^{1/4} \sec \pi x \tan \pi x \, dx$
49.  $\int \cot^3 x \csc^3 x \, dx$
50.  $\int \cot^2 3t \sec 3t \, dt$
51.  $\int \cot^3 x \, dx$
52.  $\int \csc^4 x \, dx$