

Aşağıdaki integralleri hesaplayınız.

1.  $\int \frac{x}{\sqrt[3]{1-4x^2}} dx$

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

3.  $\int x3^{x^2+1} dx$

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

5.  $\int e^x \sin x dx$

6.  $\int \frac{(3+\ln x)^2(1-\ln x)}{3x} dx$

7.  $\int \frac{x^3+8}{(x^2-1)(x-2)} dx$

8.  $\int \frac{2x+1}{x^2(x^2+25)} dx$

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

10.  $\int e^{\ln \sqrt{x}} dx$

11.  $\int \frac{\tan x}{\cos^2 x} dx$

12.  $\int \frac{\cot x}{\ln(\sin x)} dx$

13.  $\int \frac{dx}{(x^2+1)^2}$

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

15.  $\int \frac{x^2}{\sqrt{12+4x-x^2}} dx$

16.  $\int \frac{16x+3}{x^2+7x+12} dx$

17.  $\int \frac{3x+1}{(x+2)^3} dx$

18.  $\int \sin 5x \cos 3x dx$

19.  $\int \sin^4 x \cos^2 x dx$

20.  $\int \sin^5 x \cos^5 x dx$

$$21. \int x^3 \sin x^2 dx$$

$$22. \int \frac{x^2}{\sqrt{3-x}} dx$$

$$23. \int \frac{dx}{\sqrt{1+\sqrt{x}}}$$

$$24. \int \sqrt{x^2 + 1} dx$$

$$25. \int x (1 + 2x^2)^2 dx$$

$$26. \int \frac{x^2 + \sqrt{x}}{x} dx$$

$$27. \int \frac{(\ln x)^4}{x} dx$$

$$28. \int \frac{dx}{\sqrt{x}(x+1)}$$

$$29. \int \frac{dx}{x^2-1}$$

$$30. \int x^2 \ln x dx$$

$$31. \int \frac{6x+2}{\sqrt{4x^2-4x+5}} dx$$

$$32. \int \frac{2x}{\sqrt{(4x^2-24x+27)^3}} dx$$

$$33. \int \sqrt{x^2 + 9} dx$$

$$34. \int \frac{1-x}{\sqrt{8+2x-x^2}} dx$$