

Esercitazione analisi 1

2/12/2025

Esercizio 1

1.

$$\int (x^3 + \sqrt{x} + \sin x + \frac{1}{x^2}), dx$$

2.

$$\int 7x \cos(3x^2 - 5) dx$$

3.

$$\int \cos x \sqrt{\sin x} dx$$

4.

$$\int \frac{x^5 + 4}{x^2 + 3x + 2} dx$$

5.

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

6.

$$\int \frac{1}{x^2 + 9} dx$$

7.

$$\int \frac{9x + 8}{x^3 + 2x^2 + x + 2} dx$$

8.

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

9.

$$\int \sqrt{1 + e^x} dx$$