

ÖDEV 5

Aşağıdaki integralleri hesaplayınız.

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

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

$$3) \int \frac{1}{\sqrt{e^x - 1}} dx$$

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

$$5) \int \frac{4e^x}{e^{2x} - e^x + 2} dx$$