

Mathematics
Test - Integers

Calculate following integrals:

1.

$$\int \frac{dx}{16 + x^2}$$

2.

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

3.

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

4.

$$\int \frac{\ln x}{x} \, dx$$

5.

$$\int \frac{2x}{16 + x^2} \, dx$$