

Cálculo - Aula 11

Exercícios

01 de julho de 2016

Calcule as integrais abaixo.

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

2. $\int x \operatorname{sen}^2(x) dx.$

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

4. $\int \frac{1 + \operatorname{sen}(x)}{1 - \operatorname{sen}(x)} dx.$

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

6. $\int tg^3(x) dx.$

7. $\int \sqrt{x} e^{\sqrt{x}} dx.$

8. $\int \ln(x^2 - 1) dx.$

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

10. $\int \operatorname{sen}(\sqrt{ax}) dx.$