

Exercícios mtm 700 - cálculo A 2018-1

1. Resolva as integrais:

(a) $\int \frac{\cos \theta}{\sin^2 \theta} d\theta$

(b) $\int \frac{5}{4+x^2} dx$

(c) $\int \cos^2 x dx$

(d) $\int x^2 \sin x dx$

(e) $\int \sqrt{1+x^2} dx$

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

2. Calcule:

(a) $\int_0^1 \sqrt{1-x^2} dx$

(b) $\int_0^2 \sqrt{-x^2+4x+3} dx$