

Section 5.8: Integration Using Tables and Computer Algebra Systems

These notes reflect material from our text, *Calculus, Concepts and Contexts, Second Edition*, by James Stewart, published by Brooks/Cole, Pacific Grove, CA, 2001.

Key points from Stewart, Section 5.8: The technique of integration by parts.

Concepts

Examples

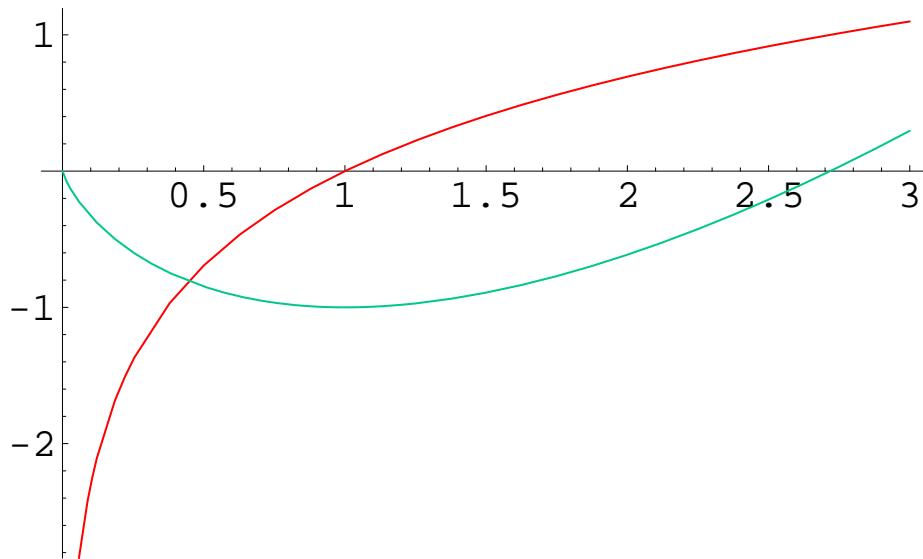


Fig. $\int \ln x \, dx = x \ln x - x$.

Exercises

Exercises for Section 5.8, pp 414–415: 2, 7, 10, 16, 18, 20, 21, 32, 33