

Section 5.9: Approximate Integration

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 5.9: The technique of integration by parts.

Concepts

Examples

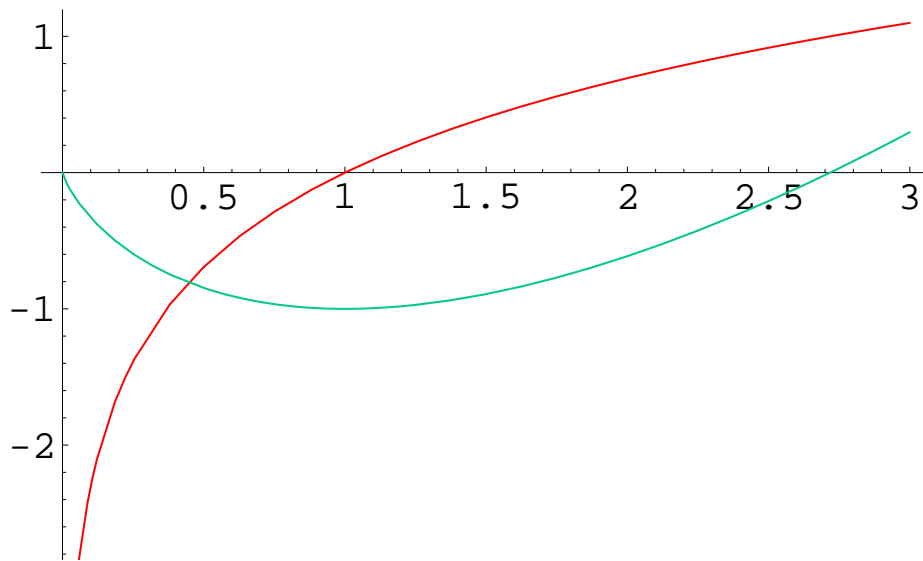


Fig. $\int \ln x \, dx = x \ln x - x$.

Exercises

Exercises for Section 5.9, pp 425–428: 1, 7, 13, 16, 24, 25 (use midpoint rule), 32, 33, 35