

Section 8.3: The Integral and Comparison Tests; Estimating Sums

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 8.3: Area of a region bounded by the graphs of two functions.

Concepts

Examples

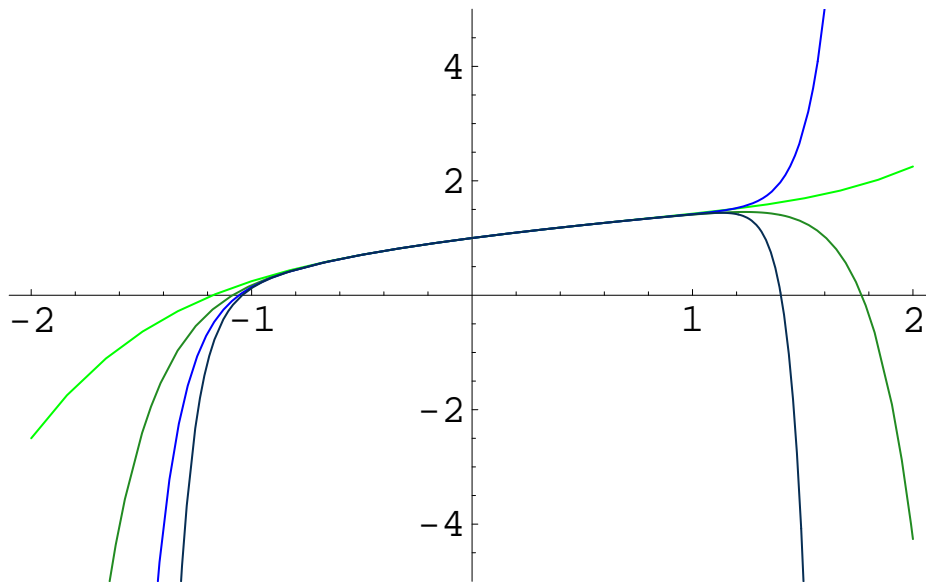


Fig. Taylor polynomial approximations to $f(x) = \sqrt{1+x}$.

Exercises

Exercises for Section 8.3, pp 591–592: 1, 3, 4, 5, 9, 13, 16, 17, 18, 20, 21, 23, 25, 26, 30, 32