

Section 8.6: Representation of Functions as Power Series

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

Concepts

Examples

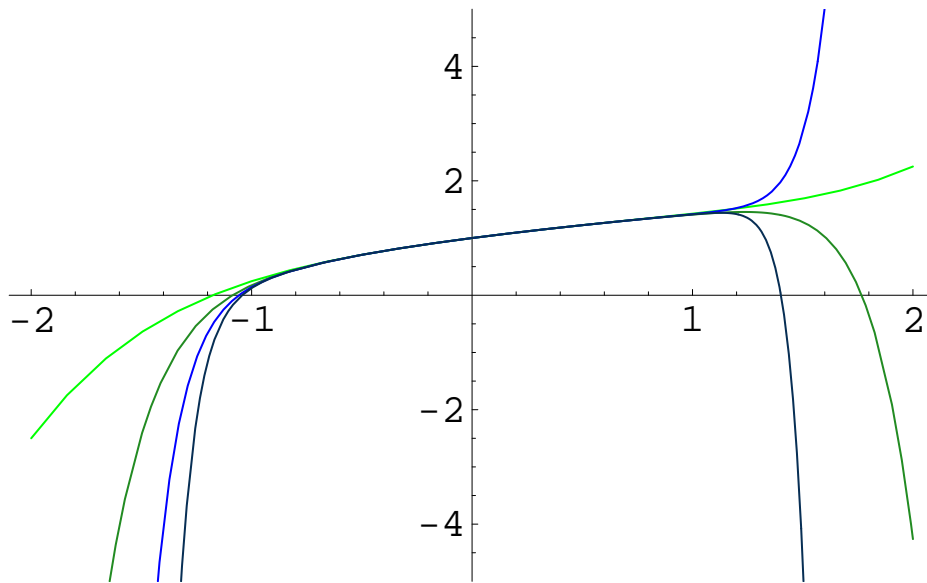


Fig. Taylor polynomial approximations to $f(x) = \sqrt{1+x}$.

Exercises

Exercises for Section 8.6, pp 610–611: 1, 4, 8, 9, 12, 18, 22, 24, 28, 30, 33, 36