

## Section 8.7: Taylor Series and Maclaurin 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 8.7: Area of a region bounded by the graphs of two functions.*

### Concepts

### Examples

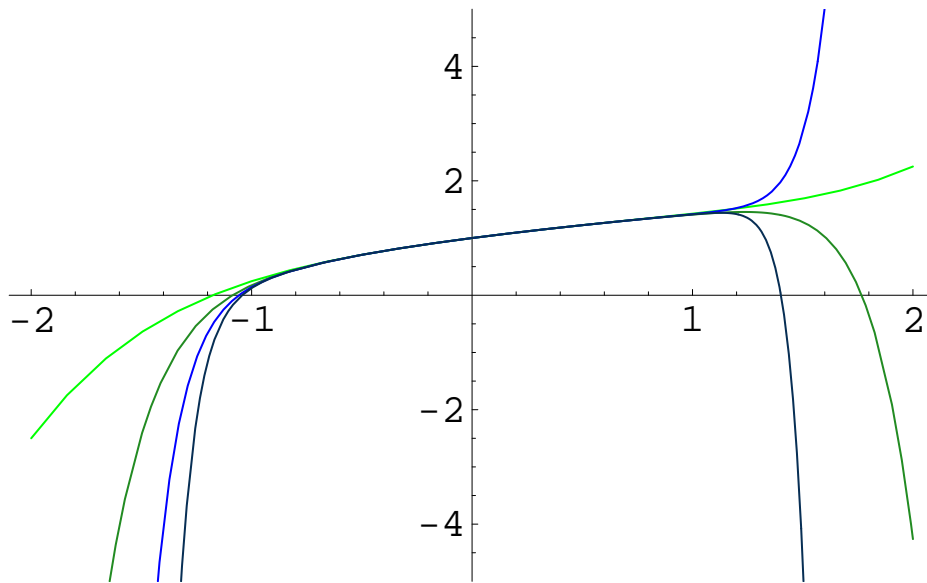


Fig. Taylor polynomial approximations to  $f(x) = \sqrt{1+x}$ .

### Exercises

*Exercises for Section 8.7, pp 621–622:* 2, 4, 5, 6, 8, 10, 12, 20, 24, 25, 31, 35, 40, 42, 52