

## 11.4: Working with Taylor Series

**Learning Objectives.** Upon successful completion of Section 11.4, you will be able to...

- Answer conceptual questions involving Taylor series.
- Evaluate limits using Taylor series.
- Differentiate Taylor series.
- Find power series solutions to differential equations.
- Approximate definite integrals using Taylor series.
- Approximate real numbers using Taylor series.
- Evaluate infinite series.
- Identify functions represented by power series.

**Title**