Chapter 5 Differential Equations

Chapter Summary

5.1

- Use initial conditions to find particular solutions of differential equations.
- Use slope fields to approximate solutions of differential equations.
- Use Euler's Method to approximate solutions of differential equations.

5.2

- Use separation of variables to solve a simple differential equation.
- Use exponential functions to model growth and decay in applied problems.

5.3

- Recognize and solve differential equations that can be solved by separation of variables.
- Use differential equations to model and solve applied problems.

5.4

- Solve and analyze logistic differential equations.
- Use logistic differential equations to model and solve applied problems.