

# Antiderivatives

After completing this section, students should be able to do the following.

- Define an antiderivative.
- Compute basic antiderivatives.
- Compare and contrast finding derivatives and finding antiderivatives.
- Define initial value problems.
- Solve basic initial value problems.
- Use antiderivatives to solve simple word problems.
- Discuss the meaning of antiderivatives of a position function.