

# Chapter 5 Practice Test

## Student Text Pages

334–335

## Suggested Timing

40–80 min

## Tools

- graphing calculators

## Related Resources

BLM 5-24 Environmental Investigation  
BLM 5-25 Chapter 5 Practice Test  
BLM 5-26 Chapter 5 Test  
BLM A-4 Presentation Checklist  
BLM A-5 Problem Solving Checklist

## Study Guide

Use this study guide to direct students who have difficulty with specific questions to appropriate examples to review.

Question	Section(s)	Refer to
1	5.5	Example 1 (pages 322–323)
2	5.1	Example 3 (pages 273–274)
3	5.3	Examples 1 to 3 (pages 296–300)
4	5.5	Example 2 (pages 323–324)
5	5.4	Investigate (pages 310–311)
6	5.5	Example 1 (page 322–323)
7	5.5	Example 1 (page 322–323)

## Teaching Suggestions

The Practice Test can be assigned as an in-class or take-home assignment. If it is used as an assessment, use the following guidelines to help you evaluate your students.

Can students do each of the following?

- select a suitable linear, quadratic, or exponential model for a given scatter plot and justify their choice
- identify the rate of change in a given scatter plot as increasing, constant, or decreasing and justify their choice
- calculate finite differences and ratios from a table of values
- use finite differences and ratios to select a suitable linear, quadratic, or exponential model for a given relation
- predict the shape of a graph that represents simple interest
- predict the shape of a graph that represents compound interest
- compare and contrast the features of two graphs showing simple and compound interest
- retrieve data from E-STAT and other sources
- analyse given data or data retrieved from a reliable source, select a suitable model for the data, and generate an algebraic and graphical model
- apply a model to make predictions about a given relation and evaluate your students

As an alternative to the Chapter Test, you could use **BLM 5-24 Environmental Investigation** as a group assignment. Use **BLM A-4 Presentation Checklist** and **BLM A-5 Problem Solving Checklist** to help you assess students' work.

## Summative Assessment

- After students complete **BLM 5-25 Chapter 5 Practice Test**, you may wish to use **BLM 5-26 Chapter 5 Test** as a summative assessment.