

# Chapter 5 Practice Test

## Student Text Pages

346 to 347

## Suggested Timing

45–60 min

## Tools

- grid paper
- graphing calculator
- computer with graphing software (optional)

## Related Resources

- G–1 Grid Paper
- BLM 5–14 Chapter 5 Practice Test

## Summative Assessment

- You may wish to use **BLM 5–14 Chapter 5 Practice Test** as a summative assessment.

## Using the Practice Test

This 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 students.

Can students do each of the following?

- Given the graph of a periodic function, determine the amplitude, period, and specific value at a point
- Given the transformed equation of a periodic function, determine the period, maximum and minimum values, amplitude, phase shift, vertical shift, domain, and range
- Given parameters such as amplitude, period, phase shift, vertical shift, or specific values, model a situation using a transformed sinusoidal function
- Given a graph of a periodic function, determine an algebraic sinusoidal model
- Given a table of values for a periodic function, determine an algebraic sinusoidal model

## Study Guide

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

Question	Section(s)	Refer to
1, 2, 3	5.1	Example 2 (page 287)
4, 5, 6, 7, 8	5.3	Example 3 (page 308)
9	5.4	Example 2 (page 315)
10, 11	5.4	Example 3 (page 316)
12	5.4	Example 1 (pages 313–314)
13	5.4	Example 4 (page 317)
14	5.6	Example 2 (page 335)
15	5.4	Example 3 (page 316)