Summative Assessment

• You may wish to use **BLM 4–15 Chapter 4 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 one trigonometric ratio for an angle, determine the other five standard and reciprocal ratios, as well as the angle itself
• Given one of the "friendly angles," determine an exact value for any required trigonometric ratio for that angle without using a calculator, and use the ratio to solve a problem
• Given a trigonometric ratio and quadrant for an angle, determine another angle that has that same ratio
• Solve two-dimensional problems involving right triangles
• Solve two-dimensional problems involving oblique triangles
• Obtain exact answers for trigonometric problems involving "friendly angles"
• Identify problems involving the ambiguous case, and solve such problems accordingly
• Solve three-dimensional problems involving trigonometry
• Distinguish between equations that are identities and those that are not
• Prove trigonometric identities from first principles, and by using known identities

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	4.2	Example 1 (pages 233–234)
2	4.4	Example 1 (page 250)
3	4.2	Example 2 (pages 234–235)
4	4.2	Example 2 (pages 233–234)
5	4.4	Example 1 (page 250)
6	4.3	Example 1 (page 244)
7	4.1	Example 1 (page 225)
8	4.4	Example 2 (page 251)
9	4.5	Examples 2 and 3 (pages 262–264)
10	4.5	Examples 2 and 3 (pages 262–264)
11	4.6	Investigate (pages 270–271)
12	4.6	Examples 1 to 3 (pages 271–272)
13	4.6	Examples 1 to 3 (pages 271–272)