

Practice Test

Student Text Pages

246 to 247

Suggested Timing

40–50 min

Tools

- scientific calculator
- graphing calculator

Related Resources

- BLM 4–12 Chapter 4 Test

Summative Assessment

- You may wish to use **BLM 4–12 Chapter 4 Test** as a summative assessment.

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	4.1	Example 1 (page 205)
2	4.1	Example 2 (page 206)
3	4.2	Investigate 1 (pages 211–213)
4	4.3	Investigate 2 (pages 221–222)
5	4.2	Investigate 2 (page 213)
6	4.2	Example 2 (page 215)
7	4.4	Example 1 (pages 230–231)
8	4.1	Example 3 (page 206), Example 4 (page 207)
9	4.2	Investigate 2 (page 213)
10	4.2	Example 1 (page 214)
11	4.3	Example 2 (page 223)
12	4.4	Example 2 (page 231)
13	4.4	Questions 8–11 (page 233)
14	4.1	Example 4 (page 207)
15	4.2	Example 1 (page 214)
16	4.5	Example 4 (page 239)
17	4.5	Example 4 (page 239)
18	4.5	Investigate (pages 236–237)
19	4.5	Example 3 (page 239)
20	4.2	Example 1 (page 214)
21	4.3	Example 3 (page 224)

Can students do each of the following?

- Convert degree measure to radian measure, in exact and approximate formats
- Convert radian measure to degree measure, in exact and approximate formats
- Determine arc lengths
- Determine angular velocity using both degree measure and radian measure
- Determine exact values for trigonometric ratios of special angles
- Use technology to determine values for trigonometric ratios
- Use equivalent trigonometric expressions to simplify calculations
- Apply the compound angle formulas for sine and cosine
- Solve problems involving compound angle formulas
- Prove trigonometric identities