Practice Test

Student Text Pages
474 to 475

Suggested Timing
60–75 min

Tools
- grid paper
- graphing calculator

Related Resources
- G–1 Grid Paper
- BLM 8–10 Chapter 8 Test

Summative Assessment
- You may wish to use **BLM 8–9 Chapter 8 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	8.3	Example 1 (pages 440–442)
2	8.2	Example 1 (pages 430–432)
3	8.1	Example 1 (pages 418–420)
4	8.4	Example 1 (pages 451–453)
5a), 5b)	8.1	Example 1 (pages 418–420)
5c), 5d)	8.3	Example 1 (pages 440–442)
6	8.1	Example 1 (pages 418–420)
7	8.1	Investigate (pages 416–418)
8	8.2	Example 1 (pages 430–432)
9	8.3	Investigate (page 439), Example 3 (pages 444–445)
10	8.2, 8.1	Investigate (pages 429–430) Investigate (pages 416–418)
11	8.5	Investigate (pages 461–462)
12	8.5	Investigate (pages 461–462)
13	8.3	Example 3 (pages 444–445)
14	8.4	Example 1 (pages 451–453)
15	8.5	Example 2 (pages 465–467)

Can students do each of the following?

- Add or subtract two or more functions graphically using the superposition principle
- Add or subtract two or more functions algebraically
- Combine and simplify a product of functions algebraically
- Combine and simplify a quotient of functions algebraically, and identify any restrictions on the variable
- Graph the sum, difference, product, or quotient of functions with and without graphing technology and identify the key characteristics of the graph
- Algebraically determine the composition of two or more functions
- Understand the effect of operating on a variable by a function followed by its inverse
- Solve inequalities of combined functions algebraically
- Solve inequalities of combined functions graphically, with and without technology, using a variety of strategies
- Model contextual situations using combinations of functions
- Solve problems involving various combinations of functions