Chapter 7 Practice Test

Summative Assessment
- Use **BLM 7–10 Chapter 7 Practice Test** as a summative assessment.

Differentiated Instruction
- Use a **what-so-what double entry chart** to list all the formulas learned in the chapter on the left side. Indicate when to use each one. Include an example on the right side of the chart.
- Use a **gallery walk** to have groups move around the room to solve various problems from the Chapter Review and Practice Test. When groups return to their original problem, have them check and correct the solution. Leave corrected solutions posted around the room during the review process.

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?
- Calculate simple and compound interest
- Represent a simple interest and compound interest problem in a variety of ways:
  - graphically
  - with a table of values
  - with an equation
- Make connections between simple interest and arithmetic sequences and series
- Make connections between compound interest and geometric sequences and series
- Solve for the variables of the compound interest formula, $A = P(1 + i)^n$
- Understand annuities and the relationships between ordinary simple annuities, geometric series, and exponential growth
- Solve problems dealing with simple, ordinary annuities

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	7.1	Example 1 and 2 (page 419–422)
2	7.2	Example 1 (pages 428–429)
3	7.2	Example 2 (pages 429–431)
4	7.3	Example 2 (pages 438–440)
5	7.3	Example 1 (pages 437–438)
6	7.1	Example 3 (pages 422–423)
7	7.1	Example 1 (page 419)
8	7.4	Example 1 (pages 446–447)
9	7.2	Example 2 (pages 429–431)
10	7.2	Example 3 (pages 431–432)
12a)	7.3	Example 1 (pages 437–438)
12b)	7.1	Example 1 (page 419)
14	7.3	Example 2 (pages 438–440)
15	7.4	Example 1 (pages 446–447)
16	7.5	Example 2 (pages 459–460)
17	7.4	Example 2 (pages 447–448)
18	7.5	Example 2 (pages 459–460)
19	7.4	Example 1 and 2 (pages 446–448)