7 Chapter 7 Practice Test

***Mathematics 10*, pages 399–401**

Suggested Timing

45–60 min

Materials

- grid paper
- ruler

Blackline Masters

BLM 7–11 Chapter 7 Test

Planning Notes

Have students start the practice test by writing the question numbers in their notebook. Students can then indicate which questions they need no help with, a little help with, and a lot of help with. Have students first complete the questions they know they can do, followed by the questions they know something about. Finally, suggest to students that they do their best on the remaining questions. Tell them that this test is for practice, and identifying which questions are most challenging shows them which concepts they need to revisit.

This practice test can be assigned as an in-class or take-home assignment. Provide students with the number of questions they can comfortably do in one class. These are the minimum questions that will meet the related curriculum outcomes: #1–9 and 12.

Study Guide

Question(s)	Section(s)	Refer to	The student can …
#1	7.1	Example 1	✓ identify the slope and *y*-intercept of a straight-line graph
#2	7.2	Example 2	✓ identify the *x*-intercept and *y*-intercept of a line
#3	7.1	Example 2	✓ rewrite a linear relation in slope-intercept form
#4	7.2	Example 2	✓ convert a linear equation to general form
#5	7.3	Example 1	✓ determine the equation of a line using its slope and a point on the line
#6	7.4	Example 1	✓ identify whether two lines are parallel, perpendicular, or neither
#7	7.4	Investigate Link the Ideas	✓ identify whether two lines are parallel, perpendicular, or neither
#8	7.3	Example 2	✓ determine the equation of a line from two points on the line ✓ convert a linear equation to general form
#9	7.2	Example 4	✓ solve problems using the equation of a linear relation
#10	7.3	Examples 1, 2	✓ identify equivalent linear relations from a set of linear relations
#11	7.1 7.2 7.4	Examples 2, 4 Link the Ideas	✓ solve problems using the equation of a linear relation ✓ relate the intercepts of a graph to the situation
#12	7.4	Example 2	✓ determine the equation of a line using the coordinates of a point on the line and the equation of a parallel or perpendicular line
#13	7.3	Examples 1, 2	✓ explain strategies for graphing a linear relation in slope-point form
#14	7.1 7.2	Example 4 Investigate	✓ solve problems using equations in slope-intercept form ✓ relate the intercepts of a graph to the situation
#15	7.3	Example 3	✓ determine the equation of a line using two points on the line ✓ convert equations among the various forms ✓ explain a method of graphing and sketch a graph of an equation

Assessment	Supporting Learning
Assessment *as* Learning	
Chapter 7 Self-Assessment Have students review their earlier responses in the What I Need to Work On section of their Foldable.	• Have students use their responses on the practice test and work they completed earlier in the chapter to identify areas in which they may need to reinforce their understanding of skills or concepts. Before the chapter test, coach them in the areas in which they are having difficulties.
Assessment *of* Learning	
Chapter 7 Test After students complete the practice test, you may wish to use **BLM 7–11 Chapter 7 Test** as a summative assessment.	• Consider allowing students to use their Foldable.