

Chapter 3 Practice Test

3

Mathematics 10, pages 138–139

Suggested Timing

40–50 min

Materials

- ruler
- calculator

Blackline Masters

BLM 3–9 Chapter 3 Test

Planning Notes

Have students start the practice test by writing the question numbers in their notebook. Have them indicate which questions they need a lot of help with, a little help with, or no help with. Have students first complete the questions they know they can do, followed by those they know something about. Finally, suggest that students do their best on all the questions, even those with which they are struggling. Tell them that this test is for practice, and struggling with a question serves to show them what concepts they will want 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: #1–4, 6–9.

Study Guide

Question(s)	Section(s)	Refer to	The student can ...
#1, 5	3.2	Example 1	✓ use similar triangles to find missing sides
#2	3.3	Example 3	✓ use the Pythagorean theorem to solve a right triangle
#3, 8	3.3	Example 4	✓ use the sine or cosine ratio to find a missing side
#4, 9b)	3.2	Example 3	✓ use the tangent ratio to find a missing side
#6a)	3.2	Example 2a)	✓ evaluate the tangent ratio
#6b), c)	3.3	Example 2a)	✓ evaluate the sine or cosine ratio
#7a), c)	3.3	Example 2b)	✓ calculate the measure of an angle for the sine or cosine ratio
#7b)	3.2	Example 2b)	✓ calculate the measure of an angle for the tangent ratio
#9	3.4	Example 1	✓ solve a triangle involving angle of elevation
#9a)	3.2	Example 4	✓ use the tangent ratio to find a missing angle

Assessment	Supporting Learning
Assessment as Learning	
<p>Chapter 3 Self-Assessment Have students review their earlier responses in the What I Need to Work On section of their chapter Foldable.</p>	<ul style="list-style-type: none"> • Make grid paper available to students. • 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	
<p>Chapter 3 Test After students complete the practice test, you may wish to use BLM 3–9 Chapter 3 Test as a summative assessment.</p>	<ul style="list-style-type: none"> • Consider allowing students to use their chapter Foldable.