

3

Chapter 3 Review

Mathematics 10, pages 136–137

Suggested Timing

60–90 min

Materials

- ruler
- protractor
- calculator

Blackline Masters

BLM 3–5 Section 3.1 Extra Practice
 BLM 3–7 Section 3.2 Extra Practice
 BLM 3–8 Section 3.3 Extra Practice

Planning Notes

Have students work independently on #1 and 2, and then compare their answers with those of a classmate. After students have made corrections, have them work independently on the remaining questions. After completing the questions for each of sections 3.2 and 3.3, you might have students check their solutions with a classmate.

If students encounter difficulties, provide an opportunity for them to discuss strategies with other students. Encourage them to refer to their chapter Foldable, the worked examples, and previously completed questions in the related sections of the student resource.

Consider having students make a list of the questions that they found difficult. They can then use the list to help them prepare for the practice test.

Meeting Student Needs

- Encourage students to refer to the Foldable or other materials created during the chapter.
- You may wish to hand out a copy of the student learning outcomes with a happy face and sad face beside each objective. Students could circle the appropriate icon as it refers to their understanding of each objective. You could use the student responses to direct them to various questions within the review.
- Encourage students to sketch and label diagrams in their notebooks. It may be helpful to label the hypotenuse, as well as the sides that are opposite and adjacent to the reference angle.
- Encourage students to construct small models using available materials, such as paper, pencils, and erasers. This may help tactile learners take the next step of drawing a diagram.
- Students should show the setup for each question. You may want them to explain how they determined which trigonometric ratio to use.
- Be prepared if students ask about rounding the answer for an angle. Although the examples in the chapter rounded the answer to the nearest degree, these questions require students to round to the nearest tenth of a degree.
- Remind students that *solve* means to find all missing sides and angles.
- Students who require more practice on a particular topic may refer to **BLM 3–5 Section 3.1 Extra Practice**, **BLM 3–7 Section 3.2 Extra Practice**, and **BLM 3–8 Section 3.3 Extra Practice**.

Gifted

- Some students may already be familiar with the skills handled in this review. To provide enrichment and extra challenge for gifted students, go to www.mhrmath10.ca and follow the links.

Assessment	Supporting Learning
Assessment for Learning	
<p>Chapter 3 Review</p> <p>The Chapter 3 Review is an opportunity for students to assess themselves by completing selected questions in each section and checking their answers against the answers in the back of the student resource.</p>	<ul style="list-style-type: none"> • Have students check the contents of the What I Need to Work On section of their Foldable and do at least one question related to each listed item. • Have students revisit any section that they are having difficulty with prior to working on the chapter test.