

Review and Test

Mathematics 10, pages 406–409

Suggested Timing

60–90 min

Materials

- grid paper
- ruler

Planning Notes

Have students work independently to complete the review and then compare their solutions with a classmate. Alternatively, assign the Unit 3 Review to reinforce concepts, skills, and processes learned so far. If students encounter difficulties, provide an opportunity for them to discuss strategies with other students. Encourage students to refer to their notes in each chapter Foldable and then to the specific section in the student resource and/or their notebook. Once students have found a suitable strategy, have them add it to the appropriate section of their chapter Foldable. Consider having students make a list of the questions that they found difficult. Students can then use the list to help them prepare for the unit test.

Meeting Student Needs

- To determine whether a set of coordinate pairs represents a function or not, some students may need to graph the data, whereas other students may wish to predict the answer by comparing the x -values and y -values.
- Before they create the graph, allow students to convert equations to the form they feel most comfortable using.
- Encourage students to use their chapter Foldables and to add new notes if they wish.

Common Errors

- For #1b) on the unit review, some students will sketch a horizontal line because the cost of peanuts is constant.
- R_x** Have students create a table of values showing the number of bags of peanuts and the cost. Ask students to explain the information in the table and ask them if the cost for purchasing each number of bags of peanuts seems appropriate. Encourage students to identify the values plotted on each axis and to explain what the slope of the line should show. Have students verify whether this is represented in the graph they drew.

Assessment	Supporting Learning
Assessment for Learning	
<p>Unit 3 Review</p> <p>The cumulative review provides an opportunity for students to assess themselves by completing selected questions pertaining to each chapter and checking their answers against the answers in the back of the student resource.</p>	<ul style="list-style-type: none"> • Have students review their notes from each Foldable and the tests from each chapter to identify items that they had problems with, and do the questions related to those items. Have students do at least one question that tests skills from each chapter. • Have students revisit any chapter section they are having difficulty with.
Assessment of Learning	
<p>Unit 3 Test</p> <p>After students complete the unit review, you may wish to use the unit test on pages 408 and 409 as a summative assessment.</p>	<ul style="list-style-type: none"> • Consider allowing students to use their Foldable.