

Chapter 4 Study Guide

This study guide is based on questions from the Chapter 4 Practice Test in the student resource.

Question	I can ...	Help Needed	Refer to
#1	determine the measures, in degrees or radians, of the angles given the value of a trigonometric ratio	<input type="checkbox"/> some <input type="checkbox"/> none	4.3 Example 4
#2	determine the measures, in degrees or radians, of the angles in a specified domain, given the value of a trigonometric ratio	<input type="checkbox"/> some <input type="checkbox"/> none	4.3 Example 4
#3	determine, with technology, the approximate value of a trigonometric ratio for any angle with a measure expressed in either degrees or radians	<input type="checkbox"/> some <input type="checkbox"/> none	4.3 Example 3
#4	determine the coordinates for a point on the unit circle given conditions	<input type="checkbox"/> some <input type="checkbox"/> none	4.2 Example 2
#5	determine the values for trigonometric ratios	<input type="checkbox"/> some <input type="checkbox"/> none	4.3 Example 2
#6	explain the relationship between the radian measure of an angle in standard position and the length of the arc cut on a circle of radius r , and solve problems based upon that relationship	<input type="checkbox"/> some <input type="checkbox"/> none	4.1 Example 4
#7	generalize the equation of a circle with centre $(0, 0)$ and radius r	<input type="checkbox"/> some <input type="checkbox"/> none	4.2 Example 1
#7	locate the coordinates of points on the unit circle given an angle	<input type="checkbox"/> some <input type="checkbox"/> none	4.2 Example 1, 2
#8	determine the exact values of the other trigonometric ratios, given the value of one trigonometric ratio in a specified domain	<input type="checkbox"/> some <input type="checkbox"/> none	4.3 Example 2
#9	determine algebraically the solution of a trigonometric equation	<input type="checkbox"/> some <input type="checkbox"/> none	4.4 Example 1
#10	describe the relationship among different systems of angle measurement	<input type="checkbox"/> some <input type="checkbox"/> none	4.1 Example 1
#11	sketch an angle in standard position when the measure is given in degrees	<input type="checkbox"/> some <input type="checkbox"/> none	4.1 Example 1



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(continued)

Question	I can ...	Help Needed	Refer to
#11	determine the approximate value of trigonometric ratios for an angle expressed in degrees	<input type="checkbox"/> some <input type="checkbox"/> none	4.4 Example 1
#12	determine the measures of all angles in a given domain that are coterminal with a given angle in standard position	<input type="checkbox"/> some <input type="checkbox"/> none	4.1 Example 2
#12	determine the general form of the measures of all angles that are coterminal with a given angle in standard position	<input type="checkbox"/> some <input type="checkbox"/> none	4.1 Example 3
#13	solve problems involving arc lengths, central angles, and radius of a circle	<input type="checkbox"/> some <input type="checkbox"/> none	4.1 Example 4
#14	solve a problem with trigonometric ratios	<input type="checkbox"/> some <input type="checkbox"/> none	4.3 Example 3, 5
#15	determine algebraically the solution of a trigonometric equation, stating the solution in exact form when possible	<input type="checkbox"/> some <input type="checkbox"/> none	4.4 Example 1
#16	solve a problem involving arc lengths, central angles, and radius of a circle	<input type="checkbox"/> some <input type="checkbox"/> none	4.1 Example 4

