

Name: _____ Date: _____

BLM 9-5

Chapter 9 Study Guide

This study guide is based on questions from the Chapter 9 Practice Test in the student resource.

Question	I can ...	Help Needed	Refer to
#1	explain the behaviour of the graph of a rational function for values of the variable near a non-permissible value	<input type="checkbox"/> some <input type="checkbox"/> none	9.2 Example 2
#2	match a function to its graph	<input type="checkbox"/> some <input type="checkbox"/> none	9.2 Example 3
#3	explain the behaviour of the graph of a rational function for values of the variable near a non-permissible value	<input type="checkbox"/> some <input type="checkbox"/> none	9.3 Example 2
#4	describe the relationship between the roots of a rational equation and the x -intercepts of the graph of the corresponding rational function	<input type="checkbox"/> some <input type="checkbox"/> none	9.3 Example 1
#5	write equations in equivalent forms	<input type="checkbox"/> some <input type="checkbox"/> none	9.3 Example 2
#6	determine if the graph of a rational function will have an asymptote or a point of discontinuity for a non-permissible value	<input type="checkbox"/> some <input type="checkbox"/> none	9.2 Example 2
#7	determine the solution of a rational equation algebraically and graphically	<input type="checkbox"/> some <input type="checkbox"/> none	9.3 Example 1
#8	analyse the graph of a rational function to identify characteristics	<input type="checkbox"/> some <input type="checkbox"/> none	9.1 Example 1
	graph a rational function with linear expressions in the numerator and denominator	<input type="checkbox"/> some <input type="checkbox"/> none	9.1 Example 3
#9	determine, graphically, an approximate solution of a rational equation	<input type="checkbox"/> some <input type="checkbox"/> none	9.3 Example 2
#10	sketch a graph with or without technology	<input type="checkbox"/> some <input type="checkbox"/> none	9.2 Example 1
	explain the behaviour of the graph of a rational function for values of the variable near a non-permissible value	<input type="checkbox"/> some <input type="checkbox"/> none	9.2 Examples 1, 2
#11	analyse a rational function to identify characteristics	<input type="checkbox"/> some <input type="checkbox"/> none	9.1 Example 3
#12	match a set of rational functions to their graphs, and explain the reasoning	<input type="checkbox"/> some <input type="checkbox"/> none	9.2 Example 3
#13	analyse the graphs of a set of rational functions to compare characteristics	<input type="checkbox"/> some <input type="checkbox"/> none	9.2 Example 2
#14	solve a rational equation algebraically and graphically	<input type="checkbox"/> some <input type="checkbox"/> none	9.3 Examples 2, 3
#15	solve problems involving rational equations	<input type="checkbox"/> some <input type="checkbox"/> none	9.1 Example 5
#16	solve problems involving rational equations	<input type="checkbox"/> some <input type="checkbox"/> none	9.1 Example 5

