

Chapter 10 Study Check

Use the chart below to help you assess the skills and processes you have developed during Chapter 10. The references direct you to pages in *Pre-Calculus 12 Student Workbook* where you can review the skill.

Big Idea	Skills	Things to Remember
Explore the sum and difference of functions pages 325–334	Write the equation, sketch the graph, and state the domain and range of the sum of two functions page 326	
	Write the equation, sketch the graph, and state the domain and range of the difference of two functions page 327	
	Use the graphs of two functions to sketch the graph of a combined function pages 328–329	
	Apply the sum or differences of functions to problems pages 329–330	
Explore the product and quotient of functions pages 335–344	Write the equation, sketch the graph, and state the domain and range of the product of functions page 336	
	Write the equation, sketch the graph, and state the domain and range of the quotient of functions page 336	
	Apply the products and quotients of functions to problems pages 337–338	

Big Idea	Skills	Things to Remember
Demonstrate an understanding of compositions of functions pages 345–355	Evaluate a composite function at a point pages 346–347	
	Determine equations of composite functions and explain any restrictions pages 347–349	
	Sketch the graph and analyse the composition of two functions pages 348–349	
	Determine the original functions from a composition pages 349–350	
	Apply composite functions to problems pages 350–351	