

Chapter 6 Study Check

Use the chart below to help you assess the skills and processes you have developed during Chapter 6. The references direct you to pages in *Pre-Calculus 12 Student Workbook* where you can review the skill.

Big Idea	Skills	Things to Remember
Prove trigonometric identities, using: <ul style="list-style-type: none"> • reciprocal identities • quotient identities • Pythagorean identities pages 188–196	Determine non-permissible values of a trigonometric identity pages 189–190	
	Verify a potential trigonometric identity numerically and graphically pages 189–190	
	Use identities to simplify trigonometric expressions page 190	
	Use the Pythagorean identity to solve problems page 191	
Use and apply sum, difference, and double-angle identities pages 197–204	Simplify expressions using sum, difference, and double-angle identities pages 198–199	
	Determine the exact trigonometric values for angles page 200	
Prove and verify trigonometric identities pages 205–214	Demonstrate an understanding of the difference between verifying and proving an identity page 206	
	Prove an identity algebraically page 207	
	Prove an identity that requires factoring page 208	
Solve trigonometric equations using identities pages 215–223	Solve equations by substituting trigonometric identities and factoring pages 216–218	