

Chapter 11 Study Check

Use the chart below to help you assess the skills and processes you have developed during Chapter 11. The references direct you to pages in *Pre-Calculus 12 Student Workbook* where you can review the skill.

Big Idea	Skills	Things to Remember
Demonstrate an understanding of permutations pages 364–373	Solve counting problems by listing outcomes, drawing a tree diagram, and using the fundamental counting principle pages 364–366	
	Use factorial notation to solve problems pages 366–367	
	Solve counting problems with repeating objects page 367	
	Solve counting problems using cases pages 367–368	
Demonstrate an understanding of combinations pages 374–382	Solve problems using combinations and the fundamental counting principle pages 374–377	
	Solve problems using cases pages 375–377	
	Simplify expressions and solve equations with combinations page 378	
Expand powers of a binomial in a variety of ways, including using the binomial theorem pages 383–389	Expand $(x + y)^n$, $n \in N$ using Pascal's triangle and identify patterns page 384	
	Expand $(x + y)^n$, $n \in N$ using the binomial theorem pages 384–385	