

Getting Ready

This chart links the prior knowledge for the work of this chapter to the appropriate *Getting Ready* questions. If problems are identified, the associated *Review of Essential Skills and Knowledge* pages and the review sections of previous chapters, lessons can be used for remediation.

Getting Ready Topic	Chapter Review	Review of Essential Skills and Knowledge
Completing the square Questions 1, 14 text pp. 568–569	4.1 Skill Builder: Extending Algebra Skills: Completing the Square text p. 378	Completing the Square to Convert to the Vertex Form of a Parabola text p. 212
Factoring trinomials Question 2, text p. 568	4.3 Zeros of Quadratic Functions text p. 379	Expanding, Simplifying, and Factoring Algebraic Expressions text p. 7
Determining the vertex and sketching the graph of a parabola Questions 3, 4, 13, text pp. 568–569	4.2 Maximum and Minimum Values of Quadratic Functions 4.3 Zeros of Quadratic Functions text pp. 378–379	Quadratic Relations in Vertex Form text p. 210
Finding the equation of a circle centred at the origin and graphing circles Questions 5, 13, text pp. 568–569		Finding the Equation of a Circle Centred at the Origin text p. 559
Finding the length of a line segment Question 6, text p. 568		Finding the Length of a Line Segment text p. 559
Stating the slope and intercepts of a line Question 7, text p. 568		Linear Relations text p. 209
Finding the equation of a line Question 8, text p. 568		Finding the Equation of a Line Given the Slope and a Point text p. 559
Points and lines Questions 9, 13, text pp. 568–569		Linear Relations text p. 209
Intersection of lines Question 10, text p. 569		Solving a Linear System Graphically Solving a System of Linear Equations Algebraically text pp. 561–562
Simplifying expressions Question 11, text p. 569	4.12 Skill Builder: Extending Algebra Skills: Working with Polynomials text p. 385	Exponent Laws text p. 5 Expanding, Simplifying, and Factoring Algebraic Expressions text p. 7
Solving linear and quadratic equations Question 12, p. 569		Solving Linear and Quadratic Equations Algebraically text p. 9