

Honors Algebra II Homework:

Chapter 1, Section 1: “*Graph Quadratic Functions in Standard Form*”

Textbook Problems: 4, 5, 8, 11, 15, 17, 22, 24, 26, 28, 31, 34, 37, 38, 39, 40, 44 – 46, 54, 55, 56, 57, 58, 59a, 59c

Chapter 1, Section 2: “*Graph Quadratic Functions in Vertex or Intercept Form*”

Textbook Problems: 1, 4, 7, 9, 11, 12, 14, 16, 18, 20, 22, 25, 27, 29, 31, 33, 35, 37, 39, 41, 44, 46, 48, 49, 51, 52

Chapter 1, Section 3: “*Solve $x^2 + bx + c = 0$ by Factoring*”

Textbook Problems: 1, 4, 6, 7, 9, 11, 12, 13, 16, 18, 20, 23, 25, 28, 32, 33, 35, 38, 42, 44, 47, 49, 52, 53, 54, 60, 62, 65, 66, 69, 71

Chapter 1, Section 4: “*Solve $ax^2 + bx + c = 0$ by Factoring*”

Textbook Problems: 3, 5, 7, 9, 11, 14, 16, 18, 20, 23, 25, 27, 29, 32, 34, 36, 38, 40, 42, 45, 48, 52, 53, 55, 57, 58, 59 – 61, 62, 64, 66

Chapter 1, Section 5: “*Solve Quadratic Equations by Taking Square Roots*”

Textbook Problems: 3, 5, 8, 9, 11, 12, 14, 15, 16, 17, 22, 24, 26, 27, 29, 31, 33, 34a, 34b, 38, 41a, 41b

Chapter 1, Section 6: “*Perform Operations With Complex Numbers*”

Textbook Problems: 3, 5, 7, 9, 11, 13, 16, 17, 19, 23, 24, 27, 29, 30, 32, 35, 39, 43, 47, 49, 52, 53, 59a, 59b

Chapter 1, Section 7: “*Completing the Square*”

Textbook Problems: 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 36, 38, 39, 41, 43, 45, 47, 49, 54, 56, 57, 62, 64

Chapter 1, Section 8: “*Use The Quadratic Formula and the Discriminant*”

Textbook Problems: 3, 5, 7, 9, 11, 14, 16, 18, 20, 23, 26, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 52 – 54, 56, 57, 59, 61, 67a,

Chapter 1, Section 9: “*Graph and Solve Quadratic Inequalities*”

Textbook Problems: 3 – 5, 6, 8, 10, 12, 14, 16, 20, 22, 23, 25

Can Use Any Method to Solve These: 26, 28, 30, 32, 34, 36, 38, 40, 42
46, 48, 50, 52, 54, 56, 59, 61, 63, 65, 67
