**Equations and Inequalities**

Chapter 1 Notes & Assignments

Math 1050

* **1.1** Linear Equations

Pg 90 #’s 16, 23, 38, 39, 48, 55, 56, 59, 71, 72, 77, 79, 80, 85, 86, 94

Pg 27 #s 50, 52, 62, 77, 79, 87, 92

* **1.2** Quadratic Equations

Pg 101 #’s 11, 21, 31, 35, 46, 53, 66, 71, 74, 89, 93, 99, (121 Bonus)

Pg 36 #’s 21, 31, 37, 43, 45, 49

* **1.3** Quadratic Equations and the Complex Number System

Pg 111 #’s 2-7, 13, 27, 32-35, 45, 51, 56, 65, 69, 73, 81, 95

Pg. 57 #’s 14, 18, 25, 33, 39, 52, 123

* **1.4** Radical and Factorable Equations

Pg 117 #’s 7, 9, 19, 27, 31, 37, 39-42, 49, 60, 75, 81, 82, 87, 98

Pg. 61 #’s 7, 18

* **1.5** Solving Inequalities

Pg. 127 #’s 6-13, 23, 24, 31, 40, 41, 62, 69, 82, 91, 99-101,108

Pg. 70 #’s 6, 17, 29, 39, 63, 73

* **1.6** Absolute Value

Pg 133 #’s 3-5, 7, 9, 21-25, 32, 35, 36, 39, 40, 43, 49, 53, 54, 57, 56, 63, (84 Bonus)

Pg 78 #’s 8, 9, 21, 37, 55, 62, 68, 71

* **1.7** Problem Solving

Pg. 141 #’s 17, 18, 21, 22, 25, 26, 31, 33, 34, 37, 39, 41, 42, 45, 49, 52

**Unit Objectives:** Solve problems that can be modeled by linear equations, quadratic equations, radical equations, and inequalities (with and without absolute value). Solve equations in the complex number systems and problems that involve mixture, interest, uniform motion, and constant rate.

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