**Chapter 9: Polynomials and Factoring**

**(Acc)**

**9.1: Add and Subtract Polynomials (pp. 557-559)**

**Set A: Descending Order/Degree (2):** 5, 8

**Set B: Classify Polynomials (3):** 12, 13, 14

**Set C: Add and Subtract Polynomials (3):** 31, 34, 35

**WP (3):** 38, 39, 40

11 Problems Total

**9.2: Multiply Polynomials (pp. 565-568)**

**Set A: Multiply (8):** 8, 13, 14, 18, 19, 21, 22, 25

**Set B: Simplify (2):** 34, 36

**Set C: Geometry (2):** 39, 41

**Set D: *f*(*x*) and Challenge (2):** 43, 48

**WP (2):** 49, 50

16 Problems Total

**9.3: Find Special Products (pp. 572-574)**

**Set A: Square of a binomial (2):** 5, 8

**Set B: Sum and Difference Pattern (3):** 14, 15, 16

**Set C: Mixed Up (9):** 23, 25, 27, 29, 31, 33, 35, 36, 37

**WP**

14 Problems Total

**9.4: Solve Polynomial Equations in Factored Form (pp. 578-580)**

**Set A: Solve (Already in factored form) (3):** 9, 11, 13

**Set B: Factor Using the GCF (7):** 19, 22, 23, 25, 40, 42, 44

**Set C: Solve by Factoring (8):** 27, 28, 29, 31, 33, 35, 37, 47

**WP (6):** 51, 52, 53, 54, 55, 57

24 Problems Total

**9.5: Factor *x*² + *bx* + *c* (pp. 586-589)**

**Set A: Factor (9):** 7, 9, 11, 13, 15, 17, 47, 48, 49

**Set B: Solve by Factoring (5):** 20, 22, 24, 26, 28

**Set C: Find Zeros of the Functions (Acc. Only) (2):** 31, 33

**WP (7):** 43, 44, 45, 46, 61, 62, 65

23 Problems Total

**9.6 Factor *ax*² + *bx* + *c* (pp. 596-599)**

**Set A: Factor (11):** 7, 9, 10, 11, 12, 15, 16, 17, 18, 19, 21

**Set B: Factor using a negative 1 (4):** 4, 5, 6, 14

**Set C: Solve by Factoring (6):** 23, 28, 29, 30, 32, 37

**Set D: Zeros of Functions, Writing Polynomial Equations and Challenge (4):** 46, 52, 54, 55

**WP (5):** 58, 59, 60, 61, 63

30 Problems Total

**9.7 Factor Special Products (pp. 603-605)**

**Set A: Factor the Difference Two Squares (8):** 3, 4, 5, 6, 7, 8, 15, 19

**Set B: Factor perfect square trinomials (6):** 10, 11, 12, 13, 14, 20

**Set C: Solve by Factoring (6):** 27, 28, 30, 31, 36, 39

**Set D: WP (4):** 46, 47, 49, 51

25 Problems Total

**9.8 Factor Completely (610-613)**

**Set A: Factor out a binomial (3):** 7, 9, 11

**Set B: Factor by Grouping (5):** 13, 15, 17, 19, 21

**Set C: Factor Completely (6):** 23, 25, 29, 33, 36, 40

**Set D: Solve by Factoring (4):** 47, 49, 51, 53

**WP (5):** 68, 69, 70, 71, 72

23 Problems Total