**Chapter 9: Polynomials and Factoring**

**(Reg)**

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

**Set A: Descending Order/Degree (2):** 5, 7

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

**Set C: Add and Subtract Polynomials (3):** 30, 32, 34

**WP (3):** 37, 38, 39

11 Problems Total

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

**Set A: Multiply (10):** 6, 9, 10, 11, 12, 17, 18, 20, 21, 22

**Set B: Simplify (2):** 33, 36

**Set C: Geometry (2):** 38, 41

**Set D: *f*(*x*) and Challenge (2):** 44, 46

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

18 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 (8):** 23, 25, 27, 29, 31, 32, 33, 34

**WP**

13 Problems Total

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

**Set A: Solve (Already in factored form) (3):** 8, 9, 10

**Set B: Factor Using the GCF (10):** 17, 18, 19, 20, 21, 23, 24, 40, 41, 43

**Set C: Solve by Factoring (7):** 27, 28, 29, 31, 33, 35, 37

**WP:** Worksheets

17 Problems Total

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

**Set A: Factor (14):** 3, 4, 5, 6, 7, 8, 9, 10, 12, 16, 14, 15, 16, 17

**Set B: Solve by Factoring (9):** 20, 21, 22, 23, 24, 25, 26, 27, 28

**WP (6):** 43, 44, 45, 46, 59, 60

29 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 (3):** 4, 5, 6

**Set C: Solve by Factoring (7):** 23, 24, 25, 26, 27, 28, 33

**Set D: Zeros of Functions, Writing Polynomial Equations and Challenge (1):** 52

**WP (2):** 59, 61

24 Problems Total

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

**Set A: Factor the Difference Two Squares (9):** 3, 4, 5, 6, 7, 8, 15, 17, 19

**Set B: Solve by Factoring (4):** 27, 28, 31, 32

13 Problems Total