**8.1 Adding and Subtracting Polynomials**

Objective 1: Write polynomials in standard form and classify them by degree and number of terms (p. 489 #12-15 and p. 490 #24-29)

Objective 2: Add and subtract polynomials (p. 490-491 #33-35, 39, 40, 44-47, 50, 51)

**8.2 Multiplying and Factoring**

Objective 1: Multiply a monomial by a polynomial (p. 495 #12-14, 29-34)

Objective 2: Factor a monomial from a polynomial (p. 495 #21-28, 37-39)

**8.3 Multiplying Binomials**

Objective 1: Multiply two binomials (p. 502 #20-28 use method of your choice to multiply, 29, 30)

Objective 2: Multiply a binomial and a trinomial (p. 502 #31-35)

**8.4 Multiplying Special Cases**

Objective 1: Find the square of a binomial (pp. 507-508 #17-19, 36-43)

Objective 2: Find the product of a sum and difference (p. 508 #44-49)

**8.5 Factoring** $x^{2}+bx+c$

Objective 1: Factor trinomials of the form $x^{2}+bx+c$ (pp. 515-517 #30, 31, 35-40, 49-54)

**8.8 Factoring by Grouping**

Objective 1: Factor higher degree polynomials by grouping (pp. 531-532 #13-27)

**8.6 Factoring** $ax^{2}+bx+c$

Objective 1: Factor trinomials of the form $ax^{2}+bx+c$ (pp. 520-521 #8-27)

**8.7 Factoring Special Cases**

Objective 1: Factor perfect square trinomials (p. 526 #10-22 even)

Objective 2: Factor the difference of two squares (p. 527 #24-38 even)