**Factoring Review**

Factor – to rewrite an expression as a product.

There are five factoring techniques that are used in this course:

1) Common

2) Difference of Squares

3) Simple Trinomial

4) Complex Trinomial (also called Product/Sum or Decomposition)

5) Grouping (New)

**Common Factoring**

Factor the following expressions:

a) 3x + 9 b) 5x2y + 10xy2 – 20x2y2

c) 4x2y – 8xy2 – 1 d) 12x3 + 16x2 -24xy

**Difference of Squares**

Factor the following expressions:

a) x2 – 9 b) 16x2 – 25y2

c) w2 + 81 d) (x+3)2 – (x-6)2

**Simple Trinomial Factoring**

Factor the following expressions:

a) x2 – 5x – 24 b) x2 + 8x + 12

c) 2x2 + 4x – 30 d) x2 + 2x

**Grouping**

Factor the following expressions:

a) x3 - 2x2 + 3x – 6 b) ac – ad + bc - bd

c) x2 – 2x – 4y2 + 1

Homework: pg 95 #1bd, 4cde, 5a, 11ac  
                pg 102 # 1ab, 2, 3ab, 4cd, 5abc, 6ace, (14a)