Factoring Trinomials (Quadratic Equations)

- A Monomial expression is an expression that contains only one term   (i.e.. 7x)
- A trinomial expression is an expression that contains 3 terms (i.e… x^2 -3x – 4)

- Can you guess what a Binomial Expression is ?

Factoring Trinomial Expressions with an 'a' coefficient of 1 :

(hint: Look for the Sum Product Pattern)

$AX^2 +$ bX + c
            | |
         Sum   Product

Ex#1) $X^2 + 6X + 9$ Ex#2) X^2 - 6X - 16
             | | | |
           3+3   3*3   -8+2   -8*2

   = (X+3) (X+3)   = (X-8) (X+2)

(Do # 4,20,21 – page 210-211)