**Worksheet - FACTORING**

**Definition:**

1. Determine if the following expressions are sums or products, and make the list of their factors or terms.   
     
   a)   
     
     
   b)   
     
     
   c)   
     
     
   d)   
     
     
   e)
2. Expand the following expressions :  
     
   a)   
     
     
   b)   
     
     
   c)   
     
     
   d)   
     
     
     
   e)   
     
     
     
     
   f)

**Factoring by common factor:**

1. Factor the following expressions  
     
   a)   
     
     
   b)   
     
     
   c)   
     
     
   d)

**Factoring trinomials of the form :**

1. Factor the following expressions :  
   a)   
     
     
     
   b)   
     
     
     
   c)   
     
     
     
   d)   
     
     
     
   e)   
     
     
     
   f)   
     
     
     
   g)

**Factoring Special polynomials:**

1. Factor the following expressions :  
     
   a)   
     
     
   b)   
     
     
   c)   
     
     
   d)   
     
     
   e)   
     
     
   f)   
     
     
   g)   
     
     
   h)   
     
     
   i)   
     
     
   j)

**Other techniques:**

1. Factor the following expressions :  
     
   a)   
     
     
     
     
   b)   
     
     
     
   c)   
     
     
     
     
   d)

Hwk : p 229 # 5, 6

**Mix Mix :**

1. Factor the following expressions: