***Pre-Calculus 11***

***Review of Factoring***

Step 1: Always factor out the Greatest Common Factor

 2: Look for a Difference of Squares ( or  or  etc…)

 3. Look to factor a quadratic trinomial ()

ex: Factor:  GCF

  Take the *a* value and multiply by *c*

think:  Look for two numbers that multiply to ,

table: \_-18\_\_ but add to *b* (table of factors)

 1 18

 2 9 Notice that  and . Now

 3 6 split up  into 

 Group together  and 

 Factor out the GCF from both groups

 Factor out the GCF again (the stuff in the brackets)



ex: Factor 

***Questions***

Factor: a)  b)  c) 

 d)  e)  f) 

 g)  h)  i) 

 j)  k)  l) 

 m)  n)  o) 

p)  q) 

***Solutions***

a)  b)  c) 

d)  e)  f) 

g) h)  i) 

j)  k)  l) 

m)  n)  o) 

p)  q) 