Amanda Ennis   Homework 6   Due 10-10-2014

1. Suppose you know the following message was enciphered with Hill (2 dimensions with mod 29):

   P! IT WO BI XM PR

   Break it knowing the first word of the message is "join".

2. Encipher the message "Have a happy homecoming" using Playfair system with key work "eternal."

3. Decipher the message:

   GT HZ FD UC NW QS CI DT DP QG WE

   using the Playfair system with key work "witness."

4. Encipher the following Charles Dickens quote

   "The most important thing in life is to stop saying 'I wish' and start saying 'I will.' Consider nothing impossible, then treat possiblities as probabilities."

   using rectangular transposition with key word *potter*.

5. Decipher the following message

   AEAET ERHHN HTDFP PEANE OEEIN TIRTU SNFSR WTEIE DOHRI HHHEA VCRRS
   ERTAM OOTRR ILEOG VAANA YLRSG IMATN AHOEO RODOT GEHMN AERAE NIY

   knowing it was encipher with rectangular transposition with key word *coupons*. Make sure restore spacing between words,capitalization and add punctuation to make it readable.

6. Look on the website for homecoming events at USD. Choose an event that you would be most likely to attend and write that down. I won't make you actually go to the event but consider doing it, it builds school spirit.