Nickolas Martinez   Homework 6   Due 10-10-2014

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

   PE PC DN FL MV !B

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

2. Encipher the message "Caesar cipher is an easy system" using Playfair system with key work "witness."

3. Decipher the message:

   FG BQ WS CA FG OT VR AG FG IT

   using the Playfair system with key work "builder."

4. Encipher the following Charles Dickens quote

   "I must be taken as I have been made. The success is not mine, the failure is not mine, but the two together make me."

   using rectangular transposition with key word *match*.

5. Decipher the following message

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   LSTPF ARIEU EMNTE DAATU IADOB EHSAO RLOIE NHBAN LTEAS DRNLI UTPII
   AAAVA NSFAA DTIES KNNGD ECDUF MDOLS DLDIS LTEAH RTREA IFNHE STEEN
   KWCAS EUERW E
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   knowing it was encipher with rectangular transposition with key word *finally*. 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.