

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

KF HX LB TH ST UF !S

Break it knowing the first word of the message is “advance”.

2. Encipher the message “We will learn some statistics” using Playfair system with key work “finally.”
3. Decipher the message:

FO HR WL BT XP FW NP UF TV HE GR LG

using the Playfair system with key work “writing.”

4. Encipher the following Charles Dickens quote  
“Death may beget life, but oppression can beget nothing other than itself.”  
using rectangular transposition with key word *number*.
5. Decipher the following message

EHDTH RSDAS EHFFR LVSSP TAOGT PCARU TETRY EEEIL SSHET KMOFP NEERN  
EADAH VLHAU UTHCA ASIEA RHEIL ETMWA FTTME ETEML FLOEE MEBHP HECNS  
DSCTP ERTEI LELCO YTOTF HMMEU FOIIU ESACY NSRTA SFAOW AOWHO MOGAR  
EHSTO

knowing it was encipher with rectangular transposition with key word *courage*. 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.