

**MATH 587/CSCE 557: HOMEWORK 6, DUE MAR 8.**

1. The following is an English sentence encrypted by means of a Vigenere cipher.

IYMEC GOBDO JBSNT VAQLN BIEAO YIOHV XZYZY LEEVI PWOB  
OEIVZ HWUDE AQALL KROCU WSWRY SIUYB MAEIR DEFYY LKODK  
OGIKP HPRDE JIPWL LWPHR KYMBM AKNGM RELYD PHRNP ZHBYJ  
DPMMW BXEYO ZJMYX NYJDQ WYMEO GPYBC XSXXY HLBEL LEPRD  
EGWXL EPMNO CMRTG QQOUP PEDPS LZOJA EYWNM KRFBL PGIMQ  
AYTSH MRCKT UMVST VDBOE UEEVR GJGGP IATDR ARABL PGIMQ  
DBCWF XDFAW UWPPM RGJGN OETGD MCIIM EXTBE ENBNI CKYPW  
NQBLP GIMQO ELICM RCLAC MV

(It's the same as last time, except that two letters have been corrected. This doesn't actually affect your answers to last time but is important this time.)

Using any of the methods covered in class (but you **MUST** explain your reasoning in order to get full credit), find the Vigenere keyword (which need not be an English word) and find the plaintext.