MATH 4161 Mathematics of Cryptography   **Caesar and Vigenere**

Practice   Joe Tran

Question 1. Decipher the following Caesar encrypted messages.

    (a) **PBZ CHG REF PNA ORN CNV AVA GUR OEN VA**
    (b) **GZZG IQOT ZNKK BKTO TMUX GZJG CT**

Question 2. Encrypt the message **CAT GOT YOUR TOUNGUE** with keyword *zip*.

Question 3. Decipher the following messages that were encrypted with the given keyword.

    (a) **LBR UIJ BOZ HYQ GPR JNU WGB GH** (Keyword: *sun*)
    (b) **GSWNF ZBPJV VWPUW OYFFP JKKKK EHDGS IOJ** (Keyword: *crow*)
    (c) **RJOZB JWBJO CILHV MEBRG KNDYW E** (Keyword: *nokidding*)

Question 4. Decipher the following message knowing that it was encrypted with a four letter keyword starting with *se*.

        GTEY TSOV KSPP FROE WWCW GWEO XVIP FHSL FHEY WQIP K

Question 5. Decipher the following messages knowing that they were encrypted with a two letter keyword.

    (a) **CLRMR HGXNS PIZJH NRLFO FYCLR WVMRF LNVGR XPFBW XJHFF YFNBI CYEUG YNNIY ESUCT BFJRY QM**
    (b) **VEVWY XNUZW XLRCJ BVNDK VCKNI CYJEQ VJMHD NKJC**