**Cryptography – Worksheet**

For each of the following ciphertexts, determine the original plaintext message *and* determine how the ciphertext was constructed.

*Ciphertext 1*

G VUKS HE RKU SGXQY CGY XKGJ GZ ZNK IROTZUT-SKFBOTYQE CKJJOTM. O JUTFZ ZNOTQ GTEUTK CORR HK AYOTM ZNGZ VUKS LUX IXEVZUMXGVNOI VAXVUYKY KBKX GMGOT. HAZ JUTFZ HRGSK OZ UT INKRYKG. OT LGIZ, YNK JKYKXBKY G ROZZRK IXKJOZ LUX XKOTZXUJAIOTM G LGYIOTGZOTM LOMAXK ZU ZNK VAHROI.

*Ciphertext 2*

RM GSV HKZXV LU LMV SLFI, NB VMGRIV WRTRGZO ORUV DZH WVHGILBVW. URIHG NB TLLTOV ZXXLFMG DZH GZPVM LEVI, GSVM WVOVGVW. MVCG NB GDRGGVI ZXXLFMG DZH XLNKILNRHVW, ZMW FHVW ZH Z KOZGULIN GL YILZWXZHG IZXRHG ZMW SLNLKSLYRX NVHHZTVH. ZMW DLIHG LU ZOO, NB ZKKOVRW ZXXLFMG DZH YILPVM RMGL, ZMW NB SZXPVIH FHVW RG GL IVNLGVOB VIZHV ZOO LU GSV WZGZ LM NB RKSLMV, RKZW, ZMW NZXYLLP.

*Ciphertext 3*

YGUWU HXAWU OAWKA LMENM QXUSA WAMMU MLUYC UUPYG USWQL MUOXQ RYGUS GEXHN HXYAP TYGQX UQRYG UNWES YQIWA SGUWY GUXEX YUOQP CGHNG AOUXX AIUHX UPNHS GUWUT NQWWU XSQPT XYQYG UMACX QRYGU ZPHBU WXUYG UHPYU WNUSY UTOUX XAIUX YQYGU UBHTU PNUAB AHMAL MUYGU KUEXR QWATA EQWAO UXXAI UYQHO SQWYA PYNQP XYAPY XCGHN GGABU YQLUT UYUWO HPUTY GUNQW WUXSQ PTUPN UHXBU WENMQ XULZY YGUXZ LJUNY OAYYU WQRNW ESYQI WASGE HXBUW EUAXH METUA MYCHY GLETH XNWUY UOANG HPUWE SGEXH NXPQY XQUAX HME

*Ciphertext 4*

PEAMHRKIJETRICPA