

# Lab 8 for Math 215

Monday - March 17th, 2008

Student's Name: \_\_\_\_\_

**Instructions:** Show all your work for full credit. Indicate your answers clearly.

**Problem 1.** Decipher the ciphertext

*UBST PSMEZBSFETY EL EI WV LST BSNZVON LW NWWK GL  
LBS VFSCOSTMA UELB UBEMB NSLLSFI GZZSGF*

that was enciphered using a Multiplication-Shift Cipher.

**Problem 2.** Decipher the ciphertext

*PJO AGSTQZMPQGZ GV MSWLPQNLQOB MZH IJQVP SMEOI  
HOAQNJOBQZC SGB0 AGSNLQAMPOH*

which was enciphered using a Multiplication-Shift Cipher.

**Problem 3.** Decipher the ciphertext

*IJWJ ZN TG XYS ATMWZEJ NTLZGR EIJ FVZBH KWWDG  
AXU QVPOJS XMJW EIJ AJBJ*

which was enciphered using a Multiplication-Shift Cipher.

**Problem 4.** Decipher the ciphertext

*RII PU SQJ WPIJH BE SQJ AIRVH ZWBSSJE CV HQRXJHAJRWJ  
ZJWJ PWBFBERIIV RNSJY CV TJE REY CPVH.*

which was enciphered using a Multiplication-Shift Cipher.

**Problem 5.** Decipher the ciphertext

*IBOVIE GIBTE LIBEV ELB IBDKT KNAVIRVK NQ D LBBK DQK N  
EBBJ ECV BQV UVTT EIDAVUVK OH*

that was enciphered using a Multiplication-Shift Cipher.