Math 312, Section 102
Homework #10
due Thursday, November 29, 2001 at the beginning of class

I. Rosen, Section 8.1, p. 267, #4 and #6

II. Encrypt the message BLOCKS OF TWO with the $aP + b \pmod{m}$ cipher, using the encryption key $m = 3191$, $a = 101$, $b = 999$. Write your answer as a list of four-digit blocks.

III. Rosen, Section 8.4, p. 290, #2

IV. Rosen, Section 8.4, p. 291, #6 and #8

V. Rosen, Section 8.6, p. 304, #2