

### **Matrix Test Extra Credit (+5 points)**

Create an encrypted message that is different from every other student. You must show the work (by hand) of multiplying the encrypting matrix to create the coded message. The message must be at least 16 characters, including spaces. Punctuation may be included in the character count as long as you designate a number that corresponds to each punctuation mark.

The following must be included in what you turn in to receive credit: a matrix equation with the encrypting, message, and coded matrices; the work showing matrix multiplication to create the coded matrix; and the uncoded message written out in letters.

The extra credit is due no later than the day of the test.