\*\*\*DO NOT PUT YOUR “Uncoded” NAME ON THIS PAPER!\*\*\*

Math 4 Honors

**Encode/Decode Activity**

You are going to create a message and encode it. Then your message will be decoded by one of your classmates.

Please follow the directions, explicitly!

 ***On another piece of paper:***

1. Create a message that has between 25 and 35 characters (blank spaces count as a character).
2. Write a cryptogram for your message using your own 3 X 3 invertible matrix. You must make up your own matrix; do not use one from your notes or the homework – or any variations of them.
3. Write a cryptogram for your first and last names. Use the same matrix from #2.

***In the space below on this paper:***

1. Neatly write your cryptogram (numbers only!).
2. Neatly write your encoding matrix.
3. At the bottom of this paper, neatly write your encoded name.

\*\*\*Turn in this paper and your piece of notebook paper at the ***beginning of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ class.***

Decoded by: