

### Problem 6

Alice wants to encode a message using the code where the letter **A** is encoded as **B**; but she lost the blue part of the coding wheel. Can she do it using only the red part of the coding wheel?

### Problem 7

Rachel coded a message so that letter **A** was encoded as **B**. Tim received the coded message, but instead of decoding it he coded it again. In Tim's code letter **A** was encoded as **C**. Tim gave the resulting message to Milan. It read:

**FRGHV DUH IXQ**

Decode it!

### Problem 8

Can Milan decode the message in problem 7 in one step?

### **Problem 9**

David encodes a word and the result is the same word written backwards.

Can his word contain 5 letters? 8 letters?

### **Problem 10**

Milan made an error (see problem 7). First he decoded the message using Rachel's code, and then he applied Tim's code. Did he get the correct result?

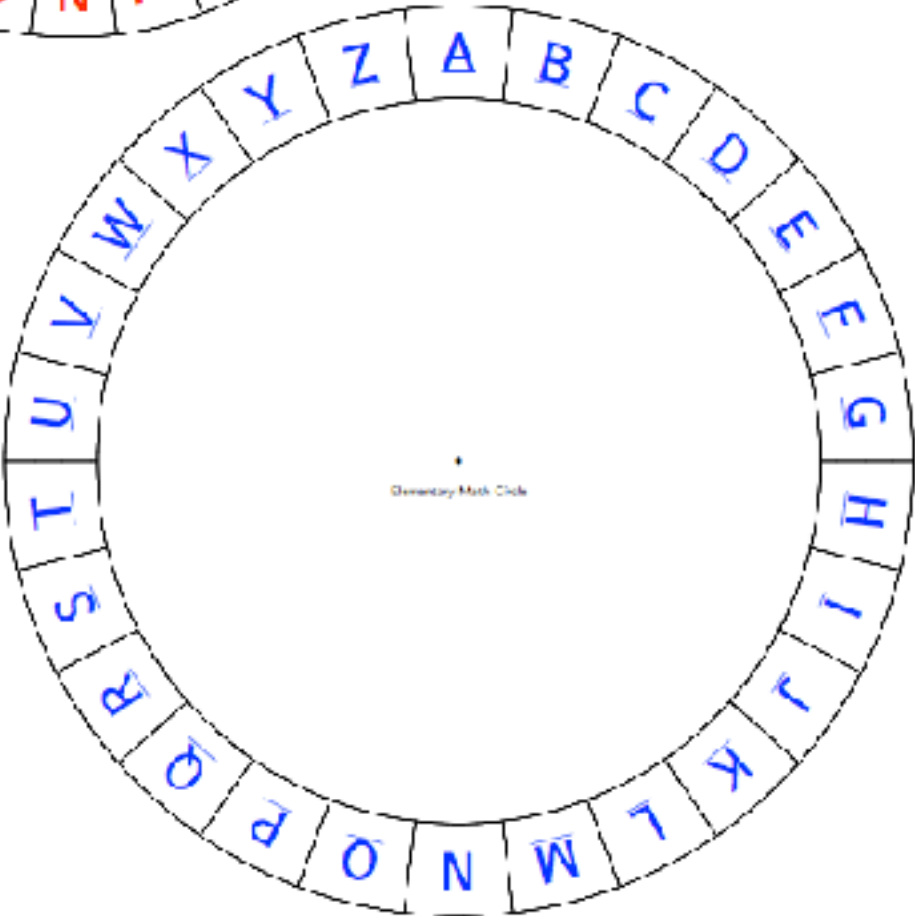
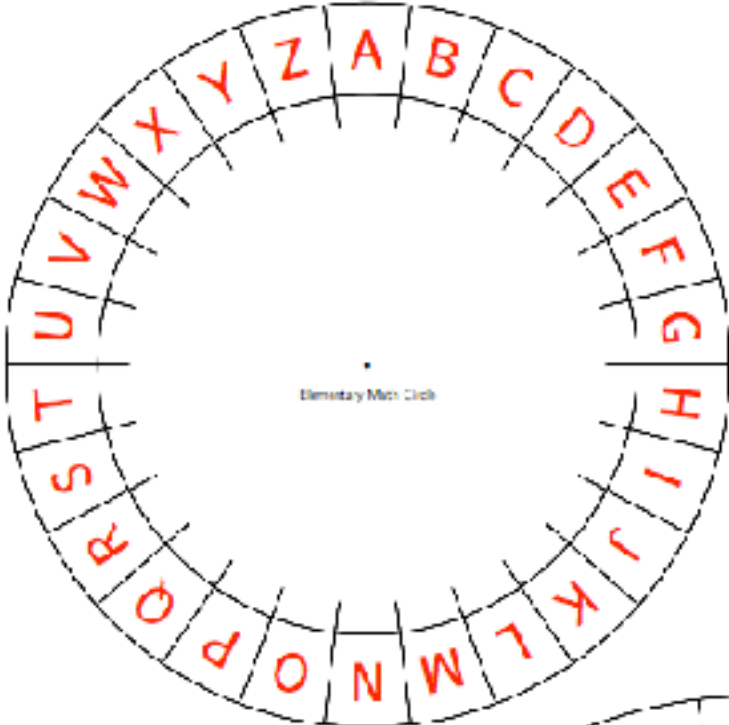
### **Problem 11**

Start with A -> B. Each time you write down a letter, rotate the **outer** wheel clockwise 1 letter.

J NRZJ AUK.

### **Problem 12**

Write a code using the above method



## Cryptography Week 3