

HW 6 CMSC 456. Morally DUE Oct 26
NOTE- THE HW IS ONE PAGE LONG

1. (25 points) Look up on Wikipedia or elsewhere *The Maginot Line*.
 - (a) (15 points) Describe in half a page what it was, what it was supposed to do, and why it failed.
 - (b) (10 points) What lesson does this hold for computer security?
2. (25 points) Read from the website under notes *Strange Characters: The Result of a Classical Education*.
 - (a) (5 points) The article has in it a CODE that a mutineer used to list his fellow mutineers. Describe the code.
 - (b) (10 points) Use his code to encrypt
The Sommers Mutiny was not planned by Josh Twitty
 - (c) (5 points) Give a PRO about the code used.
 - (d) (5 points) Give a CON about the code used.
3. (25 points) For each of the following questions give a short answer (no more than three sentences). Your answer has to really be about the cipher in question. For example, you CANNOT SAY
The matrix cipher is not used because Alice and Bob have to meet
since that is true of MANY ciphers.
 - (a) (5 points) Why is the randomized shift cipher better to use than the normal shift?
 - (b) (10 points) Why is the Matrix Cipher (with a large matrix) not used in the real world?
 - (c) (10 points) Give one reason why the One-Time-Pad is not used that much in the real world.
4. (25 points) The following questions concern the guest lecture on Wed Oct 14.
 - (a) (10 points) State something interesting and NON-technical that you learned in Kevin Bock's guest lecture from Wed Oct 14.
 - (b) (15 points) State something interesting and technical that you learned in Kevin Bock's guest lecture from Wed Oct 14.