**Homework 2  
Fall 2021  
Due on Monday October 18, 2021, 11:59 p.m. via Blackboard**

If you do not have the textbook, use the following link to download it

<https://emadalsuwat.github.io/cryptography/textbook1.pdf>

Do textbook problems:

* Problem 4.6 (Page 142)
* Problem 4.7 (Page 142)
* Problem 4.13 (Page 143)
* Problem 4.15 (Page 143)
* Problem 4.19 (Page 144)
* Determine the multiplicative inverse of x3 + 1 in GF(24)
* Determine the multiplicative inverse of x3 + x + 1 in GF(24)