

Cryptography Handout

1. Simple crypto math: Fill in the number of the alphabet that corresponds to the letter R. Assume A = 1.

$$\begin{array}{r} \text{_____ (R)} \\ + 7 \\ = \text{_____ (_____)} \end{array}$$

2. Caesar Cipher

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
H																										

Shift of 7. So an "A" in original text would be a "H" in cipher text.

Ciphertext: Thf Msvdlyz

Plaintext:

3. One-Time-Pad

Ciphertext: Rosd Yrpm

Plaintext:

- a) New Moon
- b) Fizz Buzz
- c) Snail
- d) Wild Flower

4. Vigenère Cipher

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z

Ciphertext: RMX LKPYL

Key: CATS

Plaintext:

