Rifa		-
Safeer		0
		-
		0
Dinas		0
2167160	Homework 3: Crypto graphy 09/24/2	e Pro
A STATE OF THE PARTY OF THE PAR	Encrypt the message DO NOT PASS GO by translating the letters into	
The British	numbers, applying the given encryption function, and then translating the	
	numbers back into letters.	
(0)	f(p) = (p+3) mod 26	-
- 10 page - a - a - a	DO NOT PASS GO 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-
	3 14 13 14 19 15 0 18 18 6 14	
	617 1617 22 18321 21 917	
part today		
	WKW. 3 D V V M JK M J Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	
Plos ph	f(p) = (p+1) mod26	
Feeston Tep -1		
	3 14 131419 150 1818 6 14	
	10 21 20210 22 7 25 25 13 21	0
Harris to		
	13) managaman 1204 may 1204 mad 2837 x 817 414 134 mad 2837 x 648,	
c)	f(p) = (5p+2) mod 26 E proposad SELS : EBB hom " MEI, OLE :	0
	DO NOT PASS GO	0
- entityping	3 14 13 14 19 15 018 18 6 14	-
- tralgins	17 20 15 2019 25 2 14 14 6 20	-
	RU PUT ZCOO GU	-
		-
2:	Decrypt these messages that were encrypted using f(p) = (p+3) mod 26	-
a)	EOXH MHDQV	0
	4 14 23 7 12 7 3 16 2 1	-
	1 11 20 4 9 40 13 18	0
6	BLUE JEANS	0
b)	WHVW WRGDB	
	2272122 2217631	8
	19 4 18 19 14 30 24	6
	TEST TODAY	-
		10-
		0
E THE STREET STREET, S	The state of the s	- Annual Control of the Control of t

7	Rifa	Labora 1
	Safeer	-andrew
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	CO / Sulfacio	Homework 3: Cryptography 09/24/2019
		HDW GLP VXP
		7 3 22 61115 2123 15
		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
		10.14 38.12 18 20 (2 14 5 21 5 21 5 21 5 21 5 21 5 21 5 21
		EAT DIM SUM
		(6) (mod 13)
	3	Alice wants to send to all her friends, including Bob, the message "GET OUT
		NOW" so that he knows that she sent it. What should she send to her friends,
		assuming the signs the message using the RSA crypto-system.
		GET OUT NOW
		6419 142019 131422
1		Key (2537, 13)
-		2537 = 43.59
-		P=43, cy=59
-		gcd (13 (43-1)(59-1))=1 → 13 (42.58)=1
-		06 04 1914 2019 1314 2200
- 0		C = M13 mod 2537
		0604 3 mod 2537 = 495
		1914 ¹³ mud 2537 = 2367
-		2019 mod 2537 = 150
-		1314 mod 2537 = 2431
-(0 -(3		2200 ¹³ mod 2537= 1254
1		Encrypted message: 0495 2367 0150 2431 1254
-		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
43	1.	E. A. the College of
43	Ч.	Find the following using Fermat's Little Theorem
-50	a	6 ²¹² mod II
10		$a^{p-1} = 1 \pmod{p}$
		610 = 1 (mod 11)
59		$6^{212} = 6^{(10 * 21 + 2)}$
_ (9		$6^2 \cdot (6^{10})^{21} = 6^2 \mod 11$
	1 600	6 ²¹² = 36mod11
-		$6^{2.12} = 3$
-	The second secon	v
	CALL CALL CALL CALL CALL CALL CALL CALL	

