Date page	
1.1a).	(6)
S>aAalbBblo	S->AB BA
A>al QAQ	A->ala A
B→blaBa	B -> blaBa
Q-> alb	<u>.</u>
	the state of the state of the state of the state of
	6,4→£
2(a).	$q, \xi \rightarrow q$
-> () £, £ ->\$	
	dan a ma d
	\$79 a, B > \$
	The state of the s
	a1b->2
	b, 2 → b
3(a) Yes	
Because R	is regular Language, ROR will be regular language, 100
(As Regular la	anguages means are recognized by some NFA. The consistention
of R.R must be	regular since their NFA can be concatenated i.e. link
each accepting s	tate of Ks NFA to the start state of and the and
the other R's n	VFA with E). Then (ROROR) must be RL for the
same reason. (conc	atenate three NFA to recognize ROROR).
- A 1	
(b) 1/2	Car and the Car
(b) No	

12-4		and y ≥
it is not ne	(essarily Regular lar	nguage.
Regular Language	2 (1)	
1P (2)= { XZ XEL,	yell too	
nip(D) Should be	regular, LOO.	
nio(1) 😂 SX8 IXVE	3EL, 1x1=14=121, XE	LIZEL 3
1 = a* then 171	= y = z = X=Z, x	=141
L) O SNID(L) @ EXZ	1 x yzel 1x=141, xEL, =	ze L 3
xEL, 1X1=141, XEL, yE	43	
is case, we know	tmp(L)OSnjp(L) is	
nguage '		
SIL	s Regular Language mp ($U = \{ : x \ge x \in L, \}$ snip($U > Should be)$ snip($U > Should be)$ snip($U > Should be)$ L= $\alpha * : then x $ ($U > 0 Snip(U > Signal x \in L, x = y , x \in L, y \in L, y \in L, x $ his case, we know	s Regular Language mp (L)= \(\text{xz} \right) \text{x\in L}, \(\text{y\in L} \) snip(L) \(\sigma \) \(\text{xz} \right) \text{x\in L} \) snip(L) \(\sigma \) \(\text{xz} \right) \(\text{xz} \right) \text{xyzeL}, \right) \(\text{x} \right) \right) \(\text{xz} \right) \text{xz} \right) \(\text{xz} \right) \text{xz} \right) \(\text{xz} \right) \text{xz} \right) \(\text{xz} \right) \\ \text{xz} \right) \(\text{xz} \right) \(\text{xz} \right) \\ \te