Name:		NetID:	StudentID:	
Но	mewor	k 2		
CS 1	50 – 2022 5	SP [10 points]		
1.	(1 point) Give a	ın NFA recognizing L = {w v	v begins with 1 and ends with 0 o	ver {0,1}*}
2.	example, the "0		very odd position of w is a 1 over { on) for "a101" and "a" is in the 1st is.	
3.		. •	f strings over {0,1} whose 5th sym ay the equivalent DFA would take	
4.	{0,1}. Please st	Give <i>either</i> a DFA or an NFA ate which kind you provided of strings with 011 as a subs	,	es over Σ =
	b. {w wd	oes NOT contain the substri	ng 110}	

Name:	NetID:	StudentID:			
5.	(4 points) Give proof sketches that the regular languages are closed under:				
	a. union				
	b. intersection				
	c. concatenation				
	d. reversals				
	e. complements				
	f. Kleene star				
	i. Nieerie stai				
6.	(1 bonus point) Draw an NFA accepting the set of strings number of 0's is divisible by 3 and the number of 1's is div				