	CS 61BL		Lab 19	
	Summer 201	9	August $6, 2019$	
	Name:		SID:	
	Please complete this v	worksheet during your lab, and tu	rn it in to your TA by the end	
	of your section. You	are encouraged to work with you	ır neighbors collaboratively.	a acullost
	Section Number: (07 08 09 10 11 12 VST item mto	swap in smallest swap item SELECTION
	1 Sorting	mart t	const SDOT	SEIFCTION
Sorky	Show the steps taken 0, 4, 2, 7, 6, 1, 3	by each sort on the following up	nordered list: -(I_O)	10 4 27 6/35
	(a) Insertion sort	0 4 2 7	(35	0 4276135
		042 +	6 135	01177-6435
		0247	6 (35	01276435
		0247	6 (35	O(2)
	(b) Selection sort	0246	7 (1) 35	0123 6475
		0174	67/35	01234675
		$\bigcap \left(\begin{array}{c} 2 \\ 2 \end{array} \right)$	4675	01234576
			4567	01234567 01234567
		0125	,4,6/	01 234 367
	(c) Use heapsort to the array at each	sort the following array (hint: d step:	raw out the heap). Draw out	76204 Size:5
MAD IF	0, 6, 2, 7, 4		- bubble?	46207 size4
Capit	$\frac{1}{2}$		2 (6420 7
76	2//	2	la lu babble a	- 0 4267 size 3
5 4	76 4	1+62	we" max	902 67 54 67 5ize2
٥	./ / \ °\ 2	(la la la	ave M lost spot)	Q 04 67 size 1
Ó	Ÿ	Chur led	(المحاد الحما ١١٠ ١٨٠)	0 2 4 67 done

