Mini report #1 (Advanced Automation) 2019.10.31	
Student #:	Name:
[NOTICE]	
 (NOTICE] write by hand due date: 2019/11/6 17:00; place of submission: room 405(機械建設 1 号棟 小林) check if your answer is correct before submission by using MATLAB don't answer in approximated values (write √2 instead of 1.4142, for example) Let M be a matrix given as: M = \begin{bmatrix} \frac{1}{\sqrt{2}} & j \\ \frac{1}{\sqrt{2}} & -j \end{bmatrix}\$. Answer the followings: (1) \bar{M} (2) M* (4) \(\lambda_i(M^*M)\) 	
	• check if your answer is correct before
Student #: Name: OTICE] • write by hand • due date: $2019/11/6$ 17:00; place of submission: room 405 (機械建設 1 号棟 小林) • check if your answer is correct before submission by using MATLAB • don't answer in approximated values (write $\sqrt{2}$ instead of 1.4142 , for example) Let M be a matrix given as: $M = \begin{bmatrix} \frac{1}{\sqrt{2}} & j \\ \frac{1}{\sqrt{2}} & -j \end{bmatrix}.$ swer the followings: M M^* M^*M	
Let M be a matrix given as:	$M = \begin{bmatrix} \frac{1}{\sqrt{2}} & j\\ \frac{1}{\sqrt{2}} & -j \end{bmatrix}.$
Answer the followings:	L V ² J
(1) \bar{M}	
(2) M*	
(3) <i>M</i> * <i>M</i>	
(4) $\lambda_i(M^*M)$	
(5) $\sigma_i(M)$	

(6) $\bar{\sigma}(M)$