**/	1127776 Wise ell. Ticher Lin
. a)	he went to find IVD of Er,
	he went to find IVD of Er, Er = X- Xr = \(\bullet \) \(\text{Gibivot} - \bullet \) \(\text{Fill} \)
	= E Gi Wi Vr
47.	Since X is full rank, untel Ex = rank (x) = muntar
	Spire X is full rente, rank 1 Ex = ranke (x) = muntar
c) .	1/Erllop = (E Grurvr T)
d	From the questions above, X, will be a govel approximation
	From the questions above, X, will be a good approximation to X iff the operator norm, i.e., 115, 11 up is minimum
(a)	rapproxuente revle of A. is accurate.
	The ceason to jobot log (singular rake) to that s rake is
	to large and loj can efficiently sube this problem who
,	to large and lej can efficiently sube this problem who at the same time, maintains de variability.
4).	As the rincealer, the composition of guly is
	langer hetter, since ne zoe nove snyster rectur
	to tech

nodad de SVD process, & Short, 102, 20°, 50°.

10,2 larger, on tours of starge space, then the ones work, $\delta \in \{1^{\circ}, 3^{\circ}, 5^{\circ}, 1^{\circ\circ}\},$ $\delta \in \{1^{\circ}, 3^{\circ}, 5^{\circ}, 1^{\circ\circ}\},$ When $6_{g}^{\circ}: 1^{\circ}$, rank is approximately $\delta \circ$.