







Probleme find SVD- Page No.  Date: 11	
Sole- Want: C= U EVT	
diagonal (non re value)	1
$-cTc = VS^{T}SV^{T}$	
$CV = u \Sigma v - 2$	
$\frac{c^{7}c}{5} = \begin{bmatrix} 5 & -1 \\ 5 & 7 \end{bmatrix} \begin{bmatrix} 5 & 5 \\ -1 & 7 \end{bmatrix} = \begin{bmatrix} 26 & 18 \\ 18 & 74 \end{bmatrix}$	
det(cTc-dI) = det[26-1]8	
$= 1^{2} - 1001 + 1,600$	-
=(1-20)(1-80) eigen value $20,80$	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
$\begin{bmatrix} c^{\dagger}c - 80I = \begin{bmatrix} -54 & 18 \\ 18 - 6 \end{bmatrix} \Rightarrow \sqrt{2} = \begin{bmatrix} \sqrt{10} \\ 3\sqrt{10} \end{bmatrix} \qquad \sqrt{1} = \begin{bmatrix} -3/\sqrt{10} \\ 1/\sqrt{10} \end{bmatrix}$	
	/ / /

