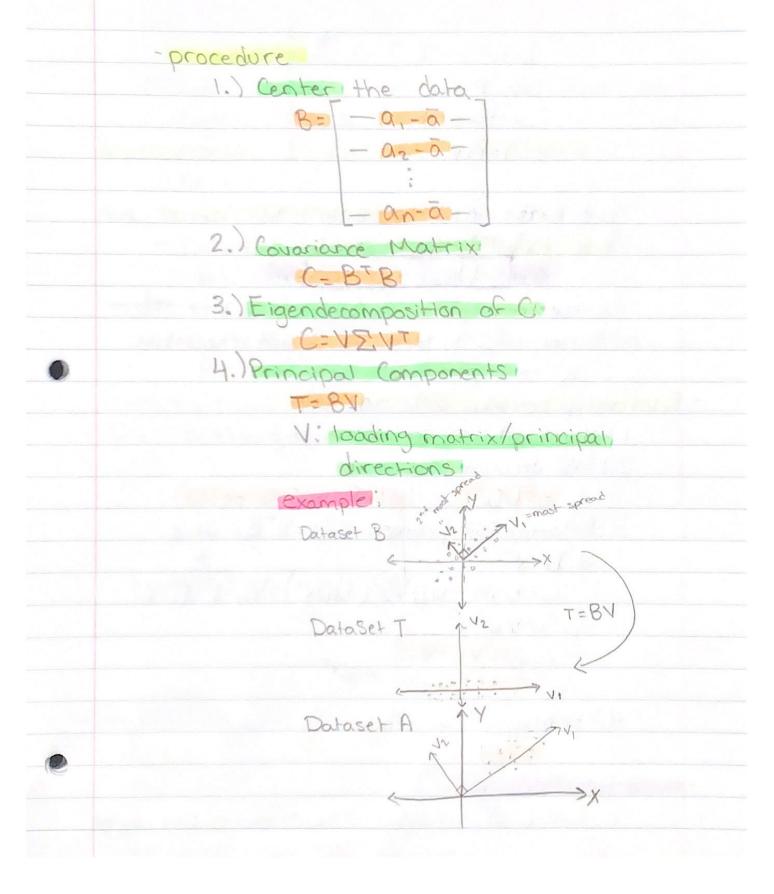
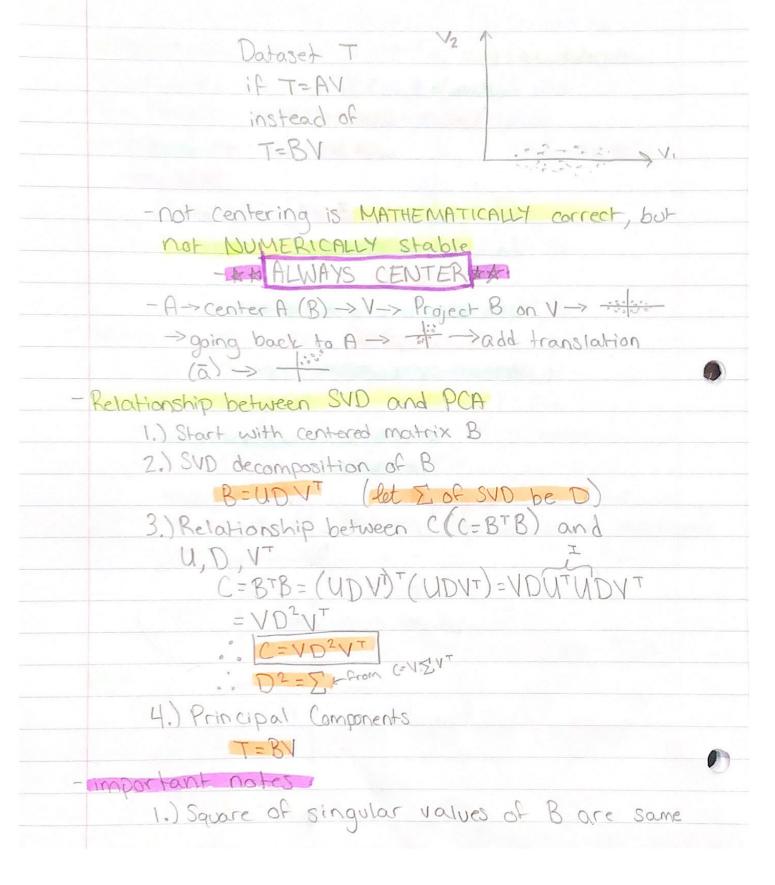
OF THE	agential Monageneral Reduction (PCA) Continued
MAG	Mossacrainer Dyrectarionarion
MARA	WARRELONNARDER BORER 184808
och	Regional squarely of end of notes
	example
	T/+2 0] [10]
	1/12 0
	orthonormal
	orthoppial
tern	ns to know for Quiz 1 (02/02/2023)
	-rank of a matrix
	- linearly dependent/independent matrix
	- column space / row space of a matrix
	- null space of a matrix
	- diagonal / Symmetric / rank deficient matrix
	- Solving linear system (elementary row operation
	-3 applications
	- Image Compression
	- Image Encoding
	- Pimensionality Reduction using PCA
PCA	
	$A = [-\alpha, -]$
	$-\alpha_2$





as eigenvalues of C 2.) Right singular vectors of B are same as eigenvectors of C - Orthonormal Properties / Conditions - Square - unit length / normal columns - columns are perpendicular (1.e., dot product is 0) - if orthonormal matrix is called A, then ATA = I and AAT = Diagonal Matrix Unnormalized orthonormal matrices are orthogonal