Caladamy etgenvalues: 
$$|A-AT|=0$$

$$\begin{vmatrix} 1-\lambda & 2 & 3 \\ 4 & 5-\lambda & 6 \\ 7 & 8 & 4-\lambda \end{vmatrix} = 0$$

$$(1-\lambda) \left[ 45-14\lambda+\lambda^2-48 \right] -2 \left( 36-4\lambda-42 \right) +3 \left( 32-35+7\lambda \right) =0$$

$$X^2-14\lambda-3^2-X^3+14X^2+3\lambda+3\lambda+12+21\lambda-9=0$$

$$\lambda = \frac{15 \pm \sqrt{225 + 672}}{2} = \frac{15 \pm \sqrt{297}}{2}$$

- 1. Diversions of matrix A: PX9
- 2 yes.

Conditions:

- 1. Dimensionality reduction preserves at large two dimens the of common then sions in vectors pand of.
- 2. The points in the original rector had 0-valued destructive amengion values

8, Eg.

(1,2,0) | (2,4,0) -> (1,2) (2,4)
using A to reduce originally
elminating the Zaxis.

3, a) q=2, p=2.

Original: (1,2) ; (3,4)

A= 12

New: (1,2); (3,4)

b) 9=2 p=1

Original: (3,5); (1;5)

New: (3), (1)

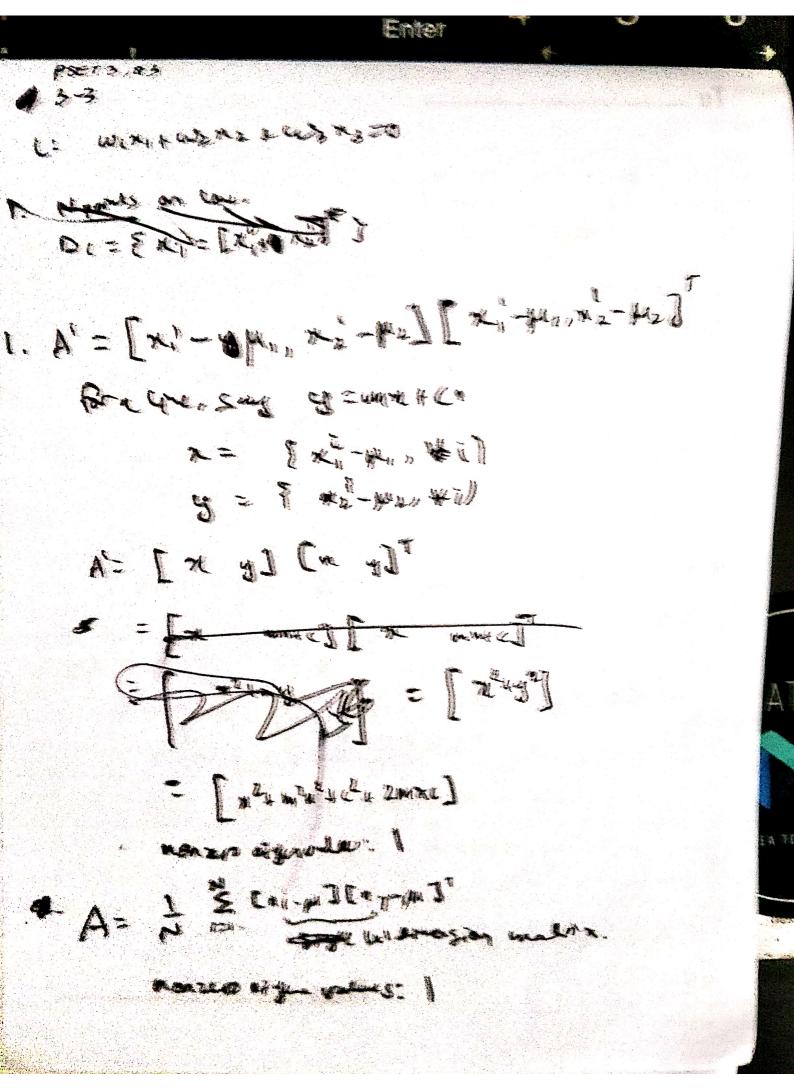
A: [1 0]

e) q=4 p=2

original: (1,4,7,3); (7,4,7,6)

New: (1,3); (7,6)

A: [1000]



I have perpetituded to be passing want on 紫竹三学 不 火工一片 二学 カチョーリルコニ [ルンコー] Some ME [ Muyed" B' = [x/- 41, n/- +2] [n/ 71, n/- 12]+ = lot method. I was some sign a since. Christe M N Cui-ind (vi-pa) I am zero estrane.

by passaving: Stree paids bout uniform distribution just around how. I aiguratees exist. Send smeder than forether to streets provincing to 19 hr. By the a vermelaige), are uncless atmost along the line and the perpendicular.