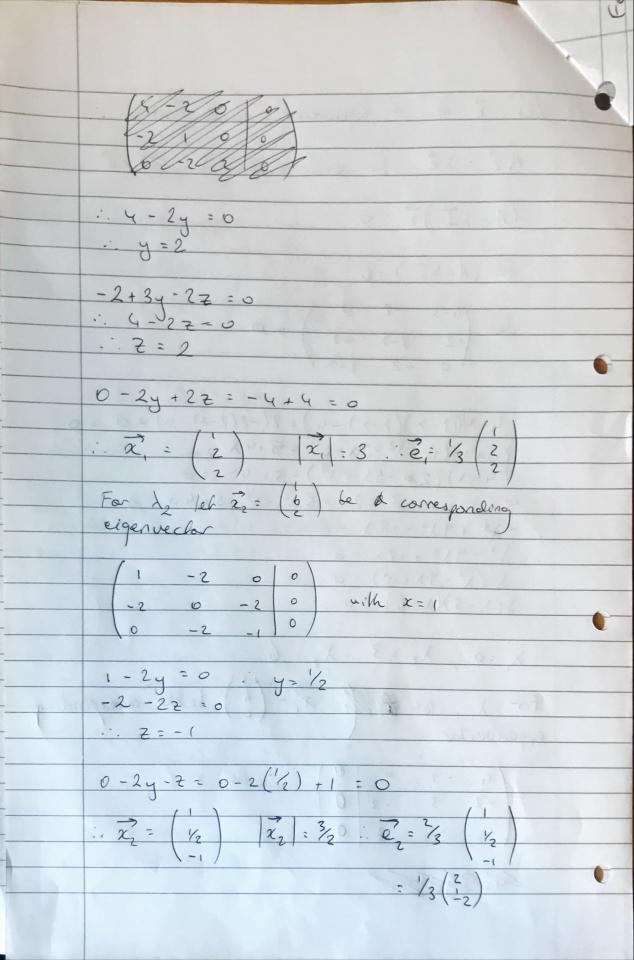
Maths Supervision Ax = y 1 1 a 0 2 1 6+0 16 · 2 = C+a → Z = 2 2y + 2 = 0 + a $2y + \frac{c+a}{2} = b + a$ $2y = b + a - \frac{c+a}{2} = \frac{2b+a-c}{2}$ 2b+a-c2+y+ = a $\frac{2b+a-c}{x} + \frac{2c+2a}{y} = a$ $\frac{2b+3a+c}{4}=a$

$$\begin{array}{c} e_2 : \begin{array}{c} 0 - 2 + -0 \\ 2 - 1 - 0 \end{array} \end{array} = \begin{array}{c} -1/2 \\ 1 - 1/2 \\ 2 - 1 - 0 \end{array} = \begin{array}{c} -1/2 \\ 1 - 1/2 \\ 2 - 1/2 \end{array} = \begin{array}{c} -1/2 \\ 1 - 1/2 \\ 1 - 1/2 \end{array} = \begin{array}{c} -1/2 \\ 1 - 1/2 \\ 1 - 1/2 \end{array} = \begin{array}{c} -1/2 \\ 1/2 \\ 1/2 \end{array} = \begin{array}{c} -1/2 \\ 1/2 \\ 1/2 \end{array} = \begin{array}{c} -1/2 \\ 1/2 \\ 1/2 \end{array} = \begin{array}{c} -1/2 \end{array} = \begin{array}{c} -1/2 \\ 1/2 \end{array} = \begin{array}{c} -1/2$$

29. Let à be an eigenvector such that AZ = XZ la some scalor X, Z x o : (A - \I) = 0 :. let (A- XI) = 0 $\int_{0}^{2\pi} det \begin{pmatrix} 4-\lambda & -2 & 0 \\ -2 & 3-\lambda & -2 \\ 0 & -2 & 2-\lambda \end{pmatrix} = 0$ $(4-\lambda)((3-\lambda)(2-\lambda)-4)+2(-2(2-\lambda)-0)+0=0$: (4-x)(6+x2-5x-4)-8+4x=6 (4-x)(2m-5x+x2)-8+4>=0 .. 8 - 201 + 412 - 21 + 512 - 13 - 8 + 41 = 0 $\frac{1}{12} - \frac{13}{12} + 9 \frac{12}{12} - 18 \frac{1}{12} = 0$ · \3-9/2+18x=0 ·· \ (\2-9\+18)=0 $(\lambda - 3)(\lambda - 6)$: \ =0 \ \lambda_2 = 3 \ \lambda_3 = 6 For) let the x: (b) bethe corresponding eigenvector -2 3 -2 0 with x=1 . balloge,



$$\vec{e}_1 \cdot \vec{e}_1 = \vec{e}_2 \cdot \vec{e}_1 = \vec{e}_1 \cdot \vec{e}_2 = \vec{e}_1 \cdot \vec{e}_1 = \vec{e}_1 \cdot \vec{e}_2 = \vec{e}_1 \cdot \vec{e}_2 = \vec{e}_1 \cdot \vec{e}_1 = \vec{e}_1 \cdot \vec{e}_2 = \vec{e}_1 \cdot \vec{e}_1 = \vec{e}_1 \cdot \vec{e}_2 = \vec{e}_1 \cdot \vec{e}_1 = \vec{e}_1 \cdot \vec{e}_1 = \vec{e}_1 \cdot \vec{e}_2 = \vec{e}_1 \cdot \vec{e}_1 = \vec{e}_1 \cdot \vec{e}_1 = \vec{e}_1 \cdot \vec{e}_1 = \vec{e}_1 \cdot \vec$$