D/J " yponey N3. Marine coordernine bercape a coordernine juarenne due unemoro menacapa, jadannos ualpusen A 2 (-1 -6) l'emerme: ... Vandem coscolorme junierus outpaleye: |-1-1 -6 | 20 => $(-1-x)\cdot(6-x)+12=0=>(x+1)(6-x)=12=>$ $6\lambda - \lambda^{2} + 6 - \lambda - 12 = 0 = > \lambda^{2} - 5\lambda + 6 = 0$ $p_{21} = \frac{5+1}{2} + \frac{5+1}{2} = \frac{5+1}{2}$ 2. lander coordennan berop. $\begin{pmatrix} -1 & -6 \\ 2 & 6 \end{pmatrix} \begin{pmatrix} x_1 \\ x_2 \end{pmatrix} = \lambda \begin{pmatrix} x_1 \\ x_2 \end{pmatrix}$ oul $\lambda = 2$ $\begin{pmatrix} -1 & -6 \\ 2 & 6 \end{pmatrix} \begin{pmatrix} \times_1 \\ \times_2 \end{pmatrix} = 2 \begin{pmatrix} \times_1 \\ \times_2 \end{pmatrix} = >$ $= \begin{cases} -\times, -6 \times_2 = 2 \times 1 \\ 2 \times, +6 \times_2 = 2 \times_2 \end{cases} = \begin{cases} -5 \times, = 6 \times_2 = 5 \\ 2 \times, = -4 \times_2 \end{cases} = \begin{cases} \times, = -2 \times_2 \\ \times, = -4 \times_2 \end{cases}$ Pernennen Sydes Vx, ux26krde x, =-2x2 Out $\chi = 3$ $\left(\frac{-1}{2} - 6 \right) \left(\frac{\chi_1}{\chi_2} \right) = 3 \left(\frac{\chi_1}{\chi_2} \right) \Rightarrow \begin{cases} -\chi_1 - 6\chi_2 = 3\chi_1 \\ 2\chi_1 + 6\chi_2 = 3\chi_2 \end{cases}$ $\begin{cases} -4x_{1}-6x_{2} = 0 \\ 2x_{1}+3x_{2} = 0 \end{cases} = \begin{cases} x_{1}=-\frac{3}{2}x_{2} \\ x_{1}=-\frac{3}{2}x_{2} \end{cases}$ Pennemen Sjoet VX, uX2 ER, rde X, =-3 X2.

Pernemen bojemen raction anjani, 2de Juna Carcopa X z (X, ; X) paloura 1., v.c. 1 x 2 + x 2 = 1 mm x 2 + x 2 = 1. Due replacero cuyrare morda x, = -2 x 2 minceur: $4x_{2}^{2} + x_{1}^{2} = 1 = 75x_{2}^{2} = 1$ $x_{2}^{2} = \frac{1}{5}$ $x_{2}^{2} = \frac{1}{5}$ ramme edpayan meen berevage upn 22. $\left(-\frac{1}{12},\frac{1}{12}\right),\left(\frac{2}{12},\frac{1}{12}\right)$ mpur) = 3 x 1 z - 3 x 2 => $\frac{9}{4} \times \frac{2}{2} + \times \frac{2}{2} = 1 \Rightarrow \frac{13 \times 2}{4} = 1 \times \frac{2}{2} = \frac{4}{\sqrt{3}} \times \frac{2}{2} = \frac{2}{\sqrt{3}} = \frac{2}{\sqrt$ 6 som angrae musem berkopa: (- 3/13/ 1 (3/13/ - 3/13) Orles: cooleenwore junierume λ , =2 λ 2=3 cooleenwore lourcaps $\left(-\frac{2}{\sqrt{5}}; \sqrt{5}\right), \left(\frac{2}{\sqrt{5}}; -\sqrt{5}\right)$, $\left(-\frac{3}{\sqrt{13'}}, \frac{2}{\sqrt{13'}}\right), \left(\frac{3}{\sqrt{13}}, -\frac{2}{\sqrt{13'}}\right)$ 2) Dan onepater nobopera na 180°, zadabalusun nafursen A 2 (-10). Monagate, 20 moden bererep elevreche due ver cooclambur Pen. Uander coresemme juaneme $\begin{vmatrix} -(-\lambda & 0 \\ 0 & -(-\lambda) \end{vmatrix} = 0 \Rightarrow (\lambda + 1)(\lambda + 1) \Rightarrow 0 \Rightarrow 0$ > 1,2 2 -1. Haiden coledonion bereter oneganopa: $\begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \begin{pmatrix} \chi_1 \\ \chi_2 \end{pmatrix} = -1 \begin{pmatrix} \chi_1 \\ \chi_1 \end{pmatrix} = -1 \begin{pmatrix} \chi_1 \\ \chi_2 \end{pmatrix} = -1 \begin{pmatrix} \chi_1 \\ \chi_1 \end{pmatrix} = -1 \begin{pmatrix} \chi_1 \\ \chi_$ Pernemen encenter Syder x, e R x2 E R

A = (-1 0) elemente corclomurous. 3.) Mpro nunemment onepasop godan nafunseir A = (-1 3). Accamolance, Mouseful in Certap x = (1,1) aschoennen Peruenne: Manden averdenniere gnavenue. $\begin{vmatrix} 1-\lambda & 1 \\ -1 & 3-\lambda \end{vmatrix} = 0 = > (1-\lambda)(3-\lambda) + (20 = >$ 2> /2-4/+4=0=> (/-2)=0 2>/,2=2 Varidem « occobernoin boreoy: $\begin{pmatrix} 1 & 1 \\ -1 & 3 \end{pmatrix} \begin{pmatrix} x_1 \\ x_2 \end{pmatrix} = 2 \begin{pmatrix} x_1 \\ x_2 \end{pmatrix} = \begin{pmatrix} x_1 + x_2 \\ -x_1 + 3x_2 \end{pmatrix} = \begin{pmatrix} 2 \times 1 \\ 2 \times 2 \end{pmatrix}$ nodeslam Comecco x,=1 ux221 mueen. $\begin{pmatrix} 1+1\\-1+3 \end{pmatrix} = \begin{pmatrix} 2&1\\2&1 \end{pmatrix} = > \begin{pmatrix} 2\\2 \end{pmatrix} = \begin{pmatrix} 2\\2 \end{pmatrix}$ Paloenesoo Coepnoe => Coencep (1,1) due oneparque Az (13) coccoention Centop. Olæs: Coercop x z (1:1) e ame en cocchernour our oneparope Az (-13) Myco unemorie onegacop jodon ungusen Az (2 3 0). Yaramoburt, elaneetal un bentop x 2 (3,-3,-4) conclen-noun bentepan vous unemors mejadyz.

Perneme: Mandem coordonnel gramenal

$$\begin{vmatrix} -\lambda & 3 & 0 \\ 3 & -\lambda & 0 \\ 3 & -\lambda & 0 \end{vmatrix} = 0 = 0 = 0 + 1 - 1 + 1 = 0$$
 $\begin{vmatrix} -\lambda & 3 & 0 \\ 3 & -\lambda & 0 \\ 3 & -\lambda & -\lambda \end{vmatrix} = 0$
 $\begin{vmatrix} -\lambda & (-\lambda \cdot (s-\lambda)) - s \cdot (s \cdot (s-\lambda)) = 0 \\ 3 \cdot (s-\lambda) - g \cdot (s-\lambda) = 0 \end{vmatrix}$
 $\begin{vmatrix} -\lambda & 3 & 0 \\ 3 & -\lambda & -2i + g \\ 2i & -g \\ 2i & -g$