4. Muneiner zabucumect u nezabacumoct. 1) Wedo Vena V-n.n. rag R. Keno V1, .., VK EV, u /1,., Lue IR Beutopot V= 1/4+ .. + 1/4 Vu rapurane runeira nouduraque na bentopure V1,..., Vcc c noedonmente 1,..., Ja | Punepu: 1) keua V1=(1,01, V2=(0,2) (pozrn. N.A. 1R2) Totala 30 6= (3,4) 6=3U1+2-V2 6 e nuxueiro nous.

03=(4,0,-3) (pagrn. N.77. 1R3) 1000ba 6 = 201+02-303 = = (6,-2,01+ (-4,7,9) -(12,0,-9) = 1-10, 5, 14) e Texxa Meños vondanogue + pegetablue en 10 reductpuzzo, avo novarat 2) Nota D'(nyrebuet beurop) e rux. vous unaujus na beut. V4,, .., Vk? - Auo 1,= .. = 1 = 0, TO 0 v1+ --+0 vx = 8 =) 3a npougborsen V1, .., Vic O e texua muneira noudinayus

2) Neva 0,= (3,-1,0), az=(-4, 7,5)

bentopie, bienarie una rie none legien nazien go uzkopanie nynebne + 1) punep: Keua orkobo pazon. $1.7. | 2^2 u \alpha_1 = (3,0), \alpha_2 = (1,2)$ Ame, kens gpgr 1 (0,0) c nux. nond. 1/a2 Ochen D.01+D.02 Da npobepun ble nax:

 $\lambda_{1} \alpha_{1} + \lambda_{2} \alpha_{2} = 0$ $\lambda_{1} (3,0) + \lambda_{2} (1,2) = (0,0)$ $E) (3.\lambda_{1} + 1.\lambda_{2} = 0)$ $0.\lambda_{4} + 2.\lambda_{2} = 0$

 $\sim (40) = 1 / 1 = 0$, we have $\sim (01) = 1 / 1 = 0$, we have $\sim (01) = 1 / 1 = 0$, we have roke egus peuseure, caus ryrux Ba Tamba bentopy (a, az) vazbane, le ca runeiro regabilienu Une doopmanno: Bentopute V.,.., V. DT N. 17.

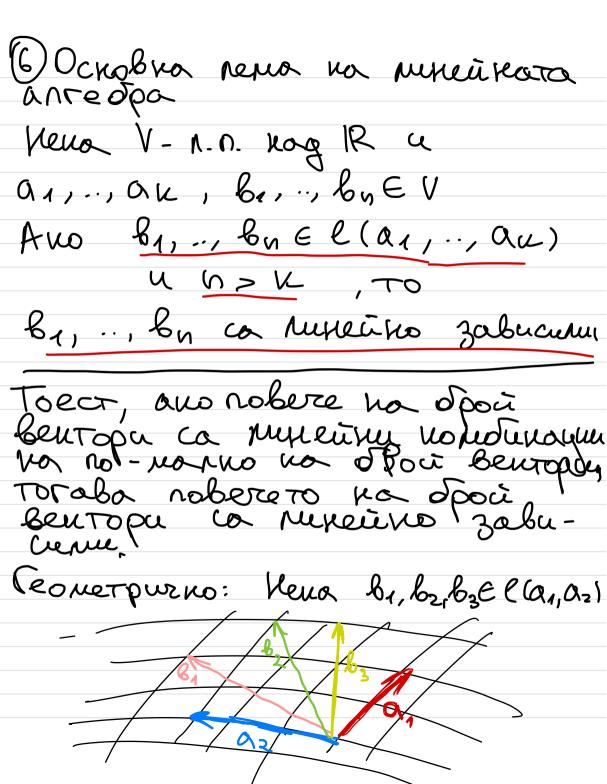
V rag le vap. run. regalacience
and launct-benevia Taxva
runeira nomburagus, pabra
no d'e razu c noeolonguenta
myru

Npunep 2: Neur ornobo pager. 1R2 u b1=(-1,2), b2=(2,-4) Da ge odate by 300 enizoane, Te ca hornneapha l'unu porophibrania T.e. 62 = -2.61 162Toba znazu, re ochen 0 = 0.6, + 0.62 unane u 0 = b2 + 2b1 = b2-b2, veuxo raka 0 = 262 + 461 ... 47.H. Moberre or eguo npegcrabane na Vyrota Tamba beuropa noparea ne Mexerino zabucuren

Una doopmonto: Y rag IR vap. nex. Zabucierus ano ama rucha 21,.., hu, re bourne pabre na ryra, tamba, te Lovat -- + Lulu= 0 Otrobo morsen voc marena ga robbepun re meanne Jezopoù roeg vraberme: 0 = 1, b1 + d2 b2(=) 1, (-1, 2) + 1 2[2, -4] = (0, 0) æs (-112, +22, = 0 12-11 + (-41 / 2=0 $= \frac{(2) \left(-1 \ 2 \ 0 \right) }{(2) \left(2 \ -4 \ 0 \right) } \sim \left(-\frac{12}{00} \right)$

 $\begin{vmatrix} -\lambda_1 + 2\lambda_2 = 0 \\ \lambda_2 = 0 \end{vmatrix}$ $\begin{cases} \lambda_1 = 2p \\ \lambda_2 = p \end{cases}$ =>2p-b1+p-b2=0 tpell Tava pemabane u zagazure... (5) Luxleira od Cubia va beutopute V1,.., Vu e MY-BOTO OT CURLU TEXKLE reploiteu rondurane denession c_e $l(V_1,...,V_K) = {\frac{1}{2}} {\frac{$ (constbusho: e(v1) - npoba (1) C(V1, V2) - pabriera 121

Tola ce buxiga b reonerp. (1) e Kato IR (2) e varo Pi Bugerne, re gla 1113 beurga ca mu go crat & zhu ga noupuem genata pobrema (numerirara um odbubna) Aus godabiem tetu V3 No. TO UBC CUTYPHOCT V1, V2, V3 - N3 (V3 cyc mulitur would na V4 4 V2)



30 Jenezbane, te, mon nother ga uspessum $6_1, 6_2, 6_3$ repess 2 bentopa, to te $(8_1, 6_2, 8_3)$ la 1 un. 30b. nonethogy α . Toba e ochobreata uges Part na cucrena bentapa V1,... Vn enouchment opoù M3 bentopa ot tex Partot le ce meter pou exementaper appospazybanus x peg no y + apyr * peg no h \$0 + come no pegabe Constant no pegabe

$$\begin{array}{lll}
\text{Pump} : & \Gamma(Q_{1}, Q_{2}, Q_{3}) = 2 \\
Q_{1} = (2, 1, -4) & Q_{2} = (3, 5, -7) \\
Q_{3} = (4, -5, -6)
\end{array}$$

$$\begin{array}{lll}
2 & 1 & -4 & (-5)151 & 2 & 1 & -4 \\
3 & 5 & -7 & 2 & 1 & 7 & 0 & 13 & (2) \\
4 & -5 & -6 & 6 & 14 & 0 & -26 & 2
\end{array}$$

Toba (a 3 a nacum 30 ckbamare no agente, re busero Botex e tozho:)