(TENGO EN CUENTA QUE SON REALES P/APLICAR LAS PROP. DE PS)

$$\rightarrow (x,y) = \left(\sum_{i=1}^{3} \alpha i. u_i, \sum_{3}^{3} x_i u_i\right) = \left(\alpha_{i} u_i + \alpha_{2} u_2 + \alpha_{3} u_3, x_i u_i + x_{2} u_2 + x_{3} u_3\right) = \rightarrow$$

donde la matriz del PI o de Gram er:

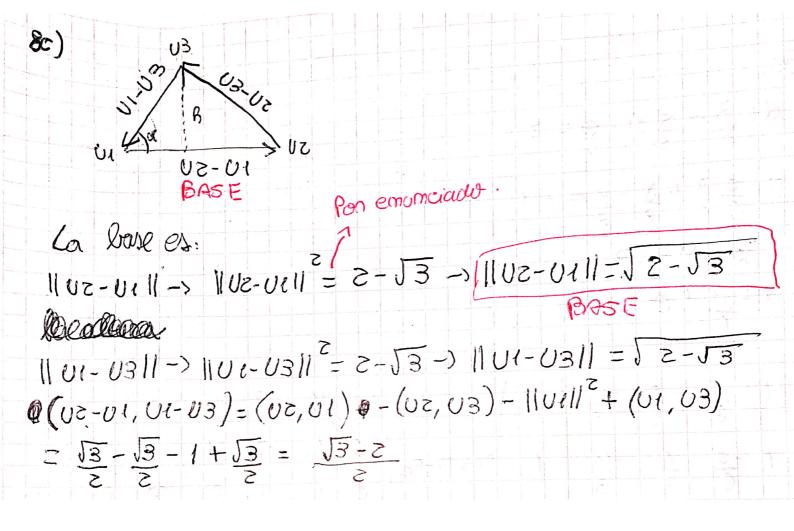
$$G_{B} = \begin{bmatrix} (01,01) & (01,02) & (01,03) \\ (03,01) & (03,02) & (03,03) \end{bmatrix}$$

Unando los datos del enunciado y la identidad de Polanización:

$$(U_1,U_1) = (U_2,U_2) = (U_3,U_3) = \sqrt{7} = 1$$

 $(U_1,U_1) = (U_2,U_3) = \sqrt{3} = \sqrt{3}$
 $(U_1,U_1) = (U_2,U_3) = \sqrt{3}$
 $(U_1,U_1) = (U_2,U_3) = \sqrt{3}$

6)
$$\Theta = [anc cost(< ui, v_i)]]_{i \in I_3}$$
 $6ets$
 $\Theta = [anc cost(< v_i, v_i)] anc cost($



Entonces: Ren Namide del vector.

Cold:
$$(U2-U1,-U1+U3) = \frac{2-\sqrt{3}}{2-4\sqrt{3}} = \frac{2-\sqrt{3}}{14-8\sqrt{3}}$$

= $(U2-U1) ||-U1+U3||$

Endomcos: Combig signo del vector del vector =
$$\frac{2-\sqrt{3}}{2}$$
 = $\frac{2-\sqrt{3}}{2-2\sqrt{3}}$ = $\frac{2-\sqrt{3}}{2-2\sqrt{3}}$ = $\frac{2-\sqrt{3}}{2-2\sqrt{3}}$ = $\frac{2-\sqrt{3}}{2-2\sqrt{3}}$

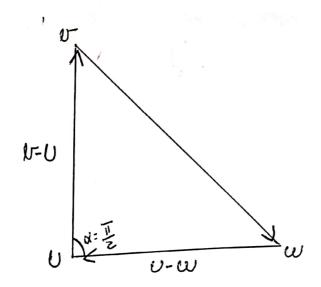
Pon la tamto, la altena es: @ B: 11 vi-u31/ sem &

ALTURA

Pan la tombo, ahora puedo calcular el dece:

MEA

d)



Queno gue 115-011=3 4 110-01=4

y gue (v-v, w-v) = 0

Puede supomer U=0, V=dU1, W= 8.U1+0-UZ de mamera que u,v,w E gen {U1,UZ}. Busco los escalares:

 $||v-v|| = 3 \rightarrow ||dv|| = 3 \rightarrow |d|||v|| = 3 \rightarrow |d| = 3$

Puecho toman d=3 O d=-3, toma d=3.

 $(\sigma - \sigma, \omega - \sigma) = 0 \rightarrow (\sigma, \omega) = 0 \rightarrow (3\sigma, \gamma + \sigma \sigma) = 0$

-> 38(n1,n1)+30(n1,ns)=38+30-13

~> X=-013

||U-W||=||W-U||=4-> ||XU1+0U2||=4->||XU1+0U2||=16/

$$T \rightarrow || x_{01} + \varphi_{02}||_{=}^{2} (x_{01} + \varphi_{02}, x_{01} + \varphi_{02})$$

$$= x^{2} ||y_{01}||^{2} + x_{0}.(y_{1},y_{2}) + x_{0}.(y_{2},y_{1}) + \varphi^{2} ||y_{2}||^{2}$$

$$= x^{2} ||y_{1}||^{2} + x_{0}.(y_{1},y_{2}) + \varphi^{2}.||y_{2}||^{2}$$

$$= x^{2} + \varphi^{2} + x_{0}.\sqrt{3}$$

$$= \varphi^{2} + \varphi^{2} + x_{0}.\sqrt{3}$$

$$= \varphi^{2} + \varphi^{2} + \varphi^{2} - \varphi^{2} = \varphi^{2}.(\frac{3}{4} + 1 - 3) = 16$$

$$\Rightarrow |\varphi| = \sqrt{64} \Rightarrow |\varphi| = 8$$

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Pon la tomto el triangula perido tiene vénticas:

VERTICES