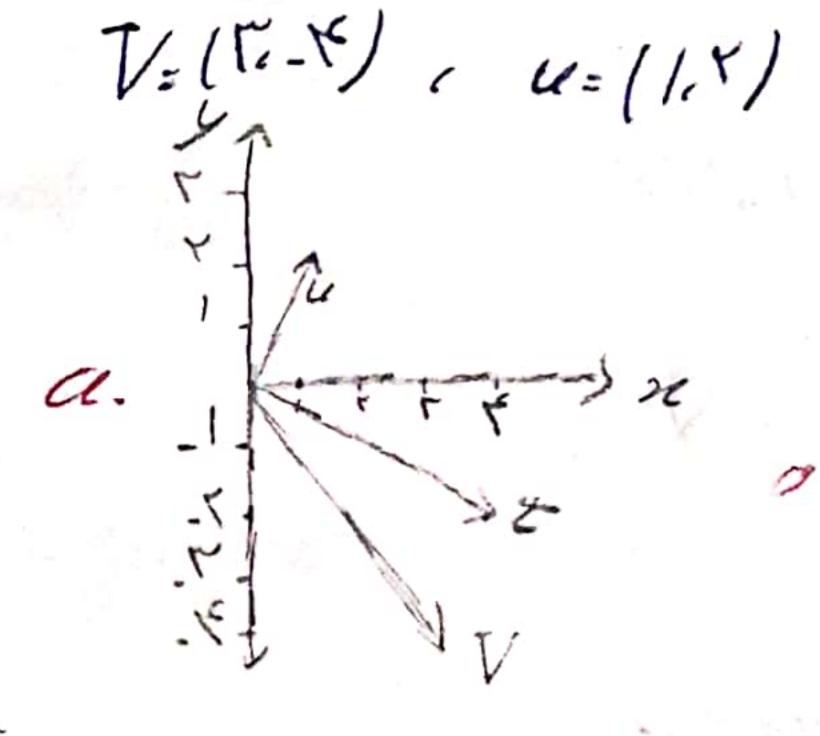
(7 do 1

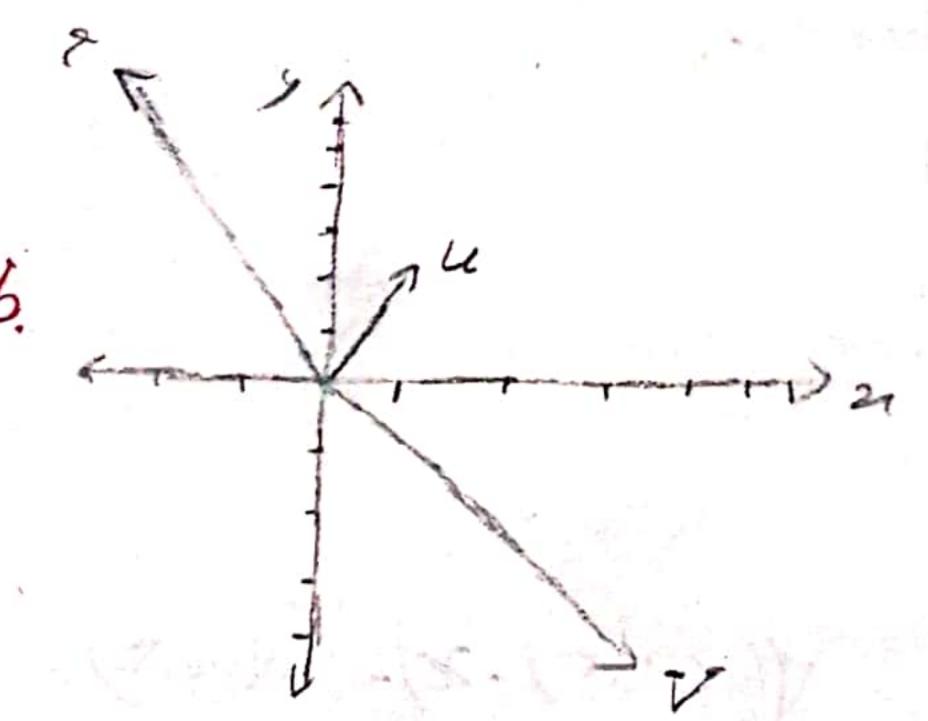
Behico.

Trading & Industrial

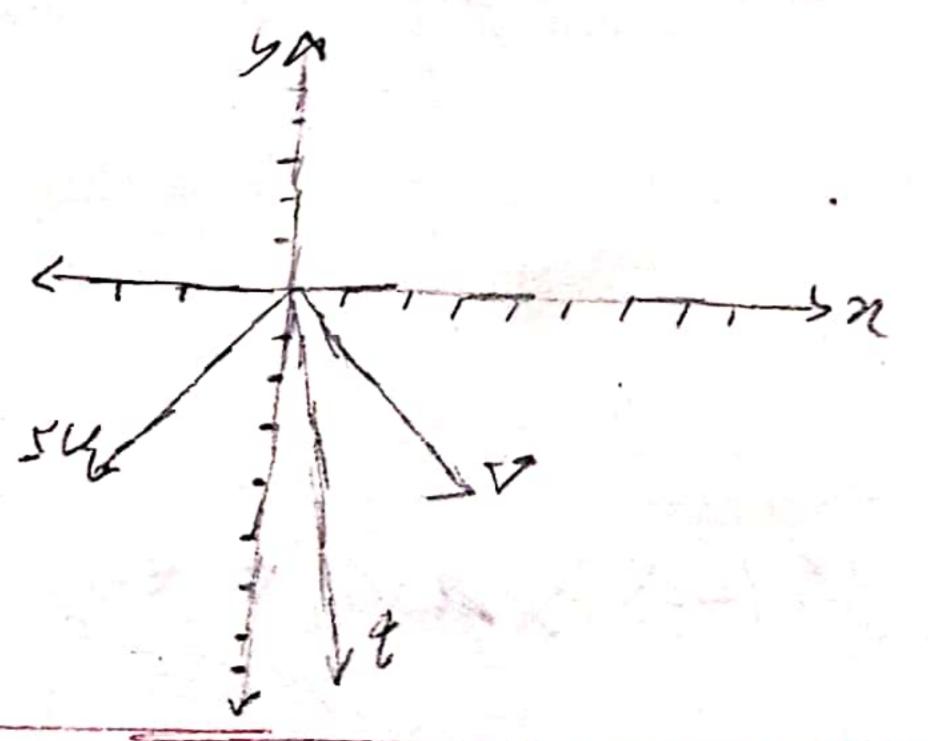
a. u.v. (111) + (1-1) = (1-1) t b. u.v. (111) - (1-1) = (-1-1) t C. Tu+[v=(11) + (-1) + (-1) = (-1) t



C. The same of the



d.- - (-1-1) + (-1-1) = (1-1)



 $Q. U_{+}V = V_{+}U \implies (U_{x}.U_{y})_{+}(V_{n}.V_{y})_{+}(U_{n}.U_{y}) \implies (U_{x}.V_{n}.U_{y}.V_{y})_{+}(V_{x}.V_{y}.U_{y}.V_{y})_{+}(V_{x}.V_{y}.U_{y}.V_{y}.U_{y}.V_{y}.U_{y}.V_{y}.U_{y}.V_{y}.U_{y}.V_{y}.U_{y}.V_{y}.U_{y}.$

$$= \langle (U_n, U_g) + ((V_n, V_g)) + (W_{x_0}, W_y) \rangle = ((U_n, U_g) + (V_m, V_g)) + (W_n)$$

$$= \langle (U_n, U_g) + (V_n, W_n, V_g + W_g) \rangle = (U_n + V_n, U_g - V_g) + (W_n, W_g)$$

$$= \langle (U_n + W_n + W_n, U_g + V_g + W_g) \rangle = (U_n + V_n + W_n, U_g + V_g + W_g)$$

$$= \langle U_n + V_n + V_n, U_g + V_g + W_g \rangle = \langle U_n + V_n + W_n, U_g + V_g + W_g \rangle$$

$$= \langle U_n + (V_n + W_n) - (U_n + V_n + W_n) \rangle$$

$$= \langle U_n + (V_n + W_n) - (U_n + V_n + W_n) \rangle$$

C. (CK) U= C(KU) = (CK) (UniVy) = C(K(Uniuy)) => ((CK)(Ux.(CK)(y)) = ((K(un.Kuy) $\frac{|(CK)u_n(CK)u_g) = ((CK)U_n(CK)U_g)}{+} \Rightarrow 2 = h$ $\Rightarrow (CK)u = C(Ku)$ d. K(U+V)=KU-KV -> K((Unilly) + (VniVy)) = (KuniKuy)+ (KvniKuy) -> K (Un. Vn (Uy. Vy) = (K(Un+Vn) (K(Uy+Vs)) Waiting (Ktikh) = (Ktikh) => k(U,V): Ku. KV C.U(K+C) = Ku+Cu => (univy)(K+C) = (KUnikuy) + (CuniCuy) Kun+Cun+Kuy+Cuy= (Kux+Cun+Kuy+Cuy) (Kun-Cunikuy+cus)= (Kun+Cunikuy+Cuy) حواس کا پیسوال ترجع شده یک یانتوکررائ T(6,2,2)-1/2/- (-2,0,2)= -1(12,2) 21=? (Yck. 4) - xn+ (xco. - 15) = (-x-16-5) -rn(x, x, y) = (-x, -x) 2= (- K. - K. - T) = (-1. 1 - 1)=n U=(-10 (0) 100 V= (4. +61) معرب المان [U] = /1- = /14 VUY = (THE TEG) Normalize 4 and V. a. U= ((111) (V=(KK))

6. U=(1.1.0), V=(-x,x0)

6.4=(-1.-1/17=(K.10)

=> (Unilly 1Uz). (Vnily . Vz) = (VnoVg. Vz). (Unitegoliz)

Un Vn+ UgVg+ Uz Vz = The Un- Vy Ug+ Vz Uz V => U.V. V. W. b.U.(V,W)=U.V+U.W => (Cincilly, Uz). (Vn+Wn+Vy+Wy, Vz-Wz)=(Ux Vy, Uz), Uz), Uz) => (Un Vn + Un Wn) + (Uy Vy + Uy Wy) + (U2 V2 + U2 W2) = (Un (Vn + Wn) + Uy (Vy + Wy), U2 (V2 + W2) 2 + N+M = (Un Vn+Un vn) + (Uy U3 - U3 Wy)+(U2 V2+U2 W2) ~ => 4. (V+W) = U.V. U.W C. Klu.v)=(Ku). V= U.(Kv) K (Un Fa + Uy Vy) = (Kun « Kuy). V= U. (KVn « KVy) KUntin+Kugty = Kuntin+Kugty = Kuntin-Kugty K(U.V)=[KU].V= W. (Ku) d. V. V= //V// => V.V= Vn Vn 4 V5 Vy + V2 V2 = (/ V2 + V2 + V2) => V.V=//V// A=(0,000) , B=(0,7,5), C=(0,7,0) U= (anougouz) UxKU=0? Ku (Kunckug-Kuz) un un un mun Ux Ku=> -1-10 => ((ug x Kuz)-(uz x Kuy)) - (uz x Kuz)-(uz x Kuz) + (unx Kuy)-(uyx Kun) => 4, KU=0 = UXKU = |U| K|U|Sin8 (K)0 Sin8=0 => 8=0