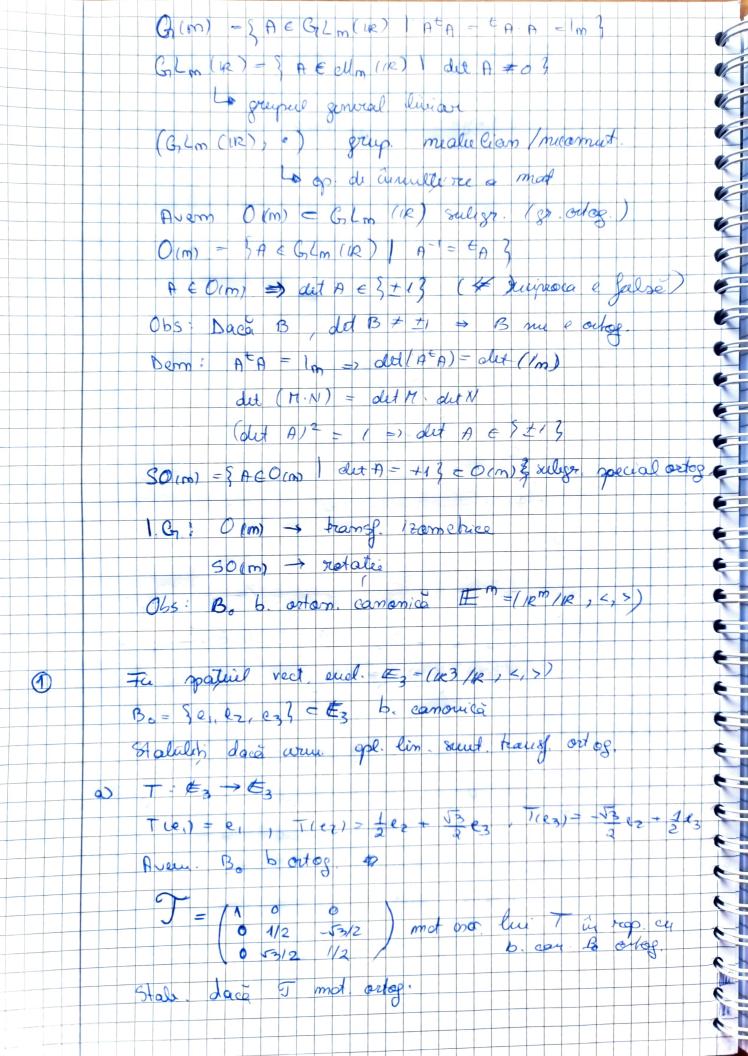
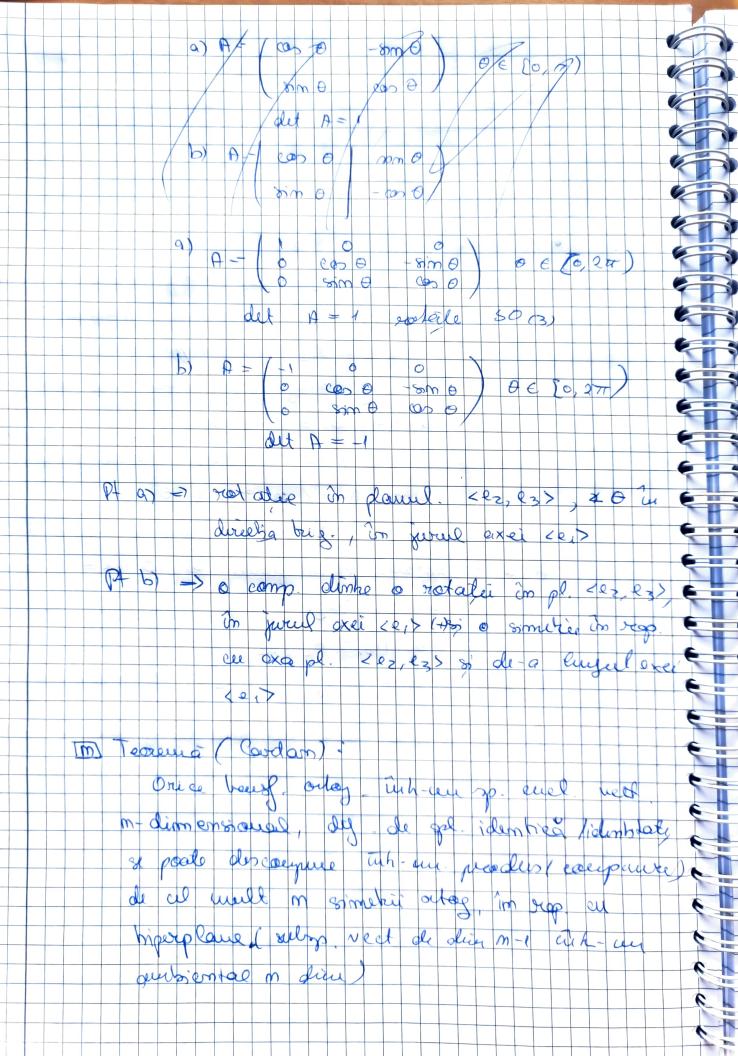
23,05,2024 Seminar 12 Aplicatio orlegonale Transf. ortog, class = 2, m=3 Com ce so cuadrice in sp. vect. exclidience Apl. ordes Def: Fie 2 sp. vect- enclidience (E/1/2, 4, >1) si (E2/R, 4, >2), 0 opl. 1:E1 -> E2 a.d. < g(x) , f (y) >= Kx, y>1 (conservo, g.s.) sm. opl. olog p(x), f(y) > = < x, y > s m ramsf, orlage P: y=x => <x, x= -< fcx, fcx,> = 11 x, 11 x 11 x 11 x MXIII = 1190x 112 (x conserva moramele) Teaung: Fie J. E > E gpl. (E/A, <, >) sp. ved wel. & BCE b. ortanormata J. trainsp. ortog <=> mat sa over in rep. ou o what BEB lo orlan. Sa fix ortag.



of the state of the order. b) soi c) TEMA (Him) la b mu e actop) cland house octog • Pt m = 2 (plinescence 2) Teorgesai Fie J: Ez Hang ortag a muis plan veet enclidean, Atanci. 3 B = t2 (report dily) a.t. md. asse transf. otteg. I sé alles une din formule a) $A = (\cos \theta - \sin \theta)$ $\theta \in [0, \pi)$ det A = 1 $(\sin \theta) \cos \theta / \pi \cot \theta$ gr. com.b) ray $A = (\cos \theta + \sin \theta)$ $\theta \in (0, \pi)$ $\sin \theta + \cos \theta$ $\cot A = -1$ P: Imh un plan ench vect onice hareft only se poorts discoupule un un proles de del mult 2 simulais · P+ m=3 Terreno : lun-un op vect euch, 3-dimensional con J: #3 > #3 harry orly arlinare Aturci & BCE; a. i. mat once transf. alog. I să aila ma din Jones?



Course & Cuadrice in 30- veal- enel. Tie #3 + (183/18 , <, >) / E2 m=2 \neq g(x) $x \geq 0$ \Rightarrow g(x) x = 0 \Rightarrow g(x) g(x) \Rightarrow g(x) \Rightarrow a = (a, a, z) e elle (a) mol som (ta=a) 10 10 x2 =0 pau 1 = 8 (x, x) = 12 / 1/2, x2 = 03 17 8 m, comica de pl. veet evel \$2 S = det a firmariant relative Lusquis Australia & n = ng & 911 = 912 A & 37, 91+1 71+2 3 (+4.) = imvoration mu: east pul arest (modula un sem) $P(\lambda) = \lambda^2 - \mathbb{I}(\alpha) \lambda + 5$ V= T00 T = 000 + 0002 Carried regres, cerrles de ord 1 closel. Househier - module grupul isourhieles Op der -> derlia de ord I