Spater afine [Eeuclidiene]

1. Fre AziR3 cu etr cononicó de spoto obra A(1,0,0), B(0,1,2), (10,0,-1)

1) serrets ec dreptes AB

2) Sunt A,B,C colensare? Honolus Tetermand de ABC
3) Doco no, ecuofra Honolus Tetermand de ABC

Resident Services of the serv Obs: Un subsporter alm on 12 este de Pm A3 AX+6=0 Mn(R) RM

In IR - Treaper - 1ec În BAR3-plon, 1ec -drepto-zec

i ca rette unus sostem de ec 1 x-1 + y = 0 Plan 1 2 y-2 30 - Plan 2

I Ec paramotraco difurtidato (1) (0,4,3) = (10,0) + 1(-1,1,2); das

ABC col=) CE(AB) & [Fols] 1 AB (2) |-1 1 2 | 20 (1) -2y+-x=y+2=0(2)X+3y-2-1=0 (1) 4) I speriemul {\(\alpha(x-1) - 2\cdot = 0 \\ \cdot - \alpha \(\alpha \) = 0 \\ \(\alpha \) = \(\alpha \) \(\alpha \) = \(\alpha \) = \(\alpha \) \(\alph I du [T) du : x = 21+1 J= at stor (=) (21+1)+321-1-1=05+16/R(=) (3) (3041) +20, H+ (=) V=-1 20 A3 R3 cu esnodora cononicó de sp. afin T: X-y+27-3=0, A(1,1,1) 1) Ex planeles Z T': TIMTI') A ETI' Obs: 11: 12 axtby+c3+d=0 so n1: a)x+b'y+2'2+d'20 Adem TUTIE) az bec 3) 11 - X-y +23+d=0 jd af AET (3) 1-1+2+d=0 (=) 0 =-2 2) ?) Gosste ecuotea perpendiculares comme pt. II STII) De (x) d1 1(1,1,2) 99)-11-pm A3 ds 1(1,-1,2)+u=1(1,-1,2)+(x2,y2,20) Pt Acder olegen us A

Opr $(ii) = \langle (1,-1,2) \rangle$ sp director subspread $m R^3$

du (d)=(b,3,d))

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(=) <(2,3,d),(1,-1,2)> =0 =>2-3+2d =0=)

(=) d=(1)

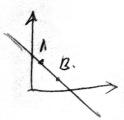
4) Gossiff o perpendeculors comuni pt day, II

Alegem A = d; A = (1,1,1)

d'. | (1,1,1) + 1(1,-1,2) | teIR]

Examen Los som gnarget 1. a) Def noteunea de subspotes afin A'CA sin subspotes afin dais Pi, -Pi EA=) spoten

2) OfPa+ - + UNPA EX) 5 pt x1+-+ xn =1



D B(1-x)+ d = x-1=1 → x=2, B=1

0.

2. a) Def. Bamor Remol Intre spetis affine P: A -> A' e mortrem de spalme davo P(Ed, Pi)= Ex, f(Pi) & Pi E A; Ha cu Ex, =1 f Prom () Pmorfism byfectiv. b) Pre 12183 en streamonne de sp. alon s f. A-) A, S(+1, +2, ×2) = (xxx1, x2+ x3, ×1+x5) Doed di xi-1 = xi-1 , determinato (cd) d: x=21x1 x=21x1 = (1,1,1)+1 (2,2,1) x=1+1 M [(d) = (0,2,2) + 1(0,3,3)

My Aleg A,BEd, A+B P(d) = (S(A)f(B))

c) I plone TEIR as f(T) este dreapto? [fazomorfiem => e forposabil

[f nu e grom => f si dom exp.

f(x) = Axrb (170m =) det (A) #0 dol(A)=S sno e them

Fie Q = (0,0,1)