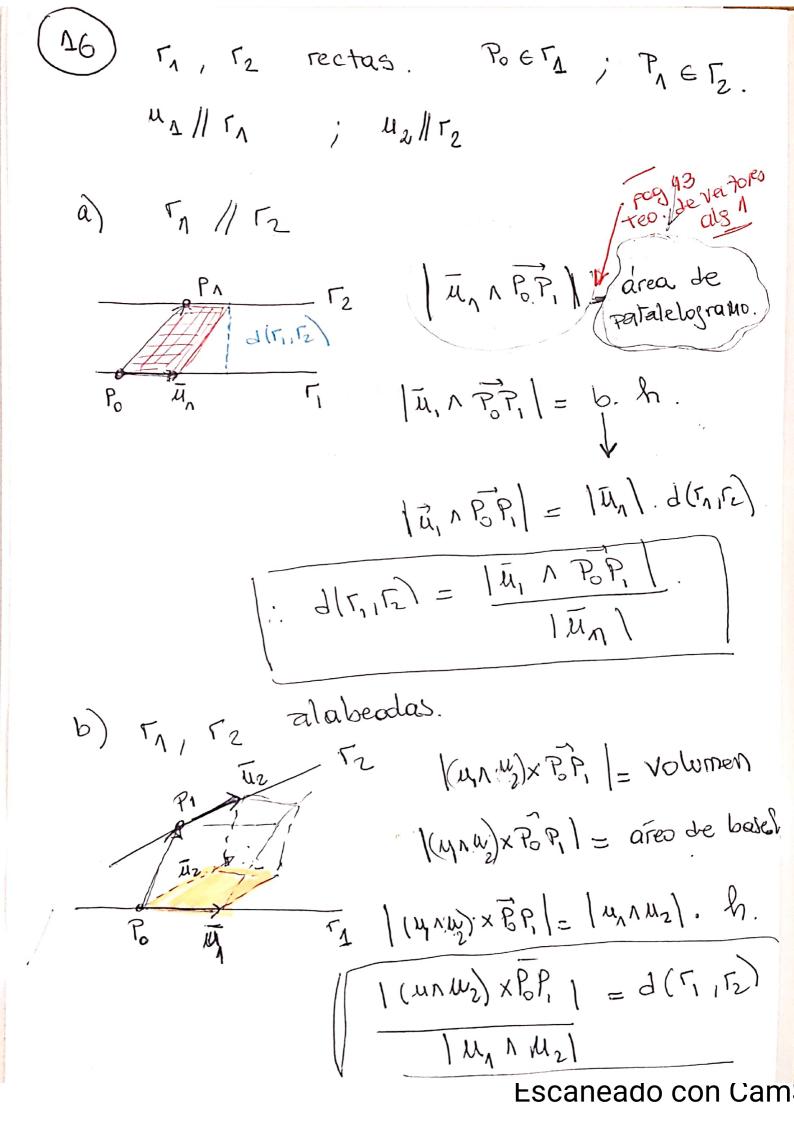
29 
$$Q(-4,3,1)$$
  $P(4,3,1)$   $P(4,3$ 

 $16-8 \times + x^2 - (16+8 \times + x^2) = 0.$ Escalleado con Car

ESCANEAUU CUN CAIN

$$(=)$$
  $(y-3)^2 + (z-1)^2 = \infty$   
 $x = 0$ 

$$\beta(0,3,4)$$
,  $\sqrt{20}$  circumferencie de  $O(0,3,4)$ ,  $\Gamma = \sqrt{20}$  contenide en el plano  $yz$ .



124 | Ecuación de la sup. espérica É: (I) = E esta inscripto en (x-4)2+1y-1)=9 II) OET Londe T) 3x +8y -82=4, C centro de E. De (I) (x-1)3 + 12-2)= d cilindro. Como E esta inscriptax en el cilindro,

entonces C e eje del

cilindro. => c(4,5,2)

De II 3.4 + 8.5 - 8.2 = 412 + 40 - 4 = 82

1: C(9,5,6)

ESCALIBATIO COLL CALL

$$(x-4)^{2} + (y-r)^{2} + (z-6)^{2} = 9$$

| Fe. de le esfera!

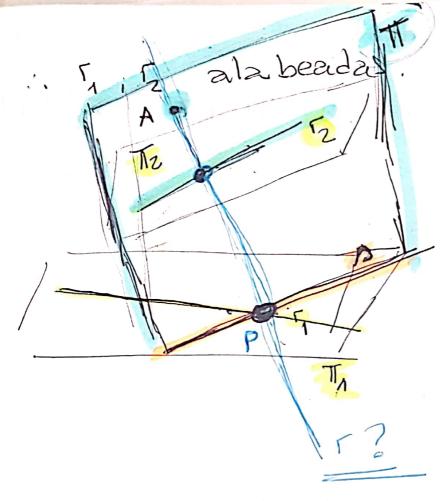
fer by en in a contra

 $\lceil 20 \rceil \rceil \rceil = recta / A(1,2,3) \in \Gamma, \Gamma \cap \Gamma_1 \neq \emptyset$   $\Gamma \cap \Gamma_2 \neq \emptyset \quad \text{donde } \Gamma_1 ) \stackrel{\times}{x} = 7 - 6 = \frac{7+3}{-4},$ (a)  $\frac{x-12}{13} = y-3 = \frac{2+3}{-4}$ 068: d A & TA? d A & TZ?

A & TA , A & TZ. 0652: 17, 1/2 SON coplanares? · 4 = (2,1,-4) // r\_1; P(0,6,-3) & r\_1 ·M2=(13,1,4)/1/2, P2(12,3,-3) E [2 T, la sos copla nares (=) ( I, P, P x ( I, NIL) = 0 P, P2 = (12,-3,0)  $\overline{M_1} \wedge \overline{M_2} = \begin{vmatrix} 2 & \Delta & -4 \\ 13 & 1 & -4 \end{vmatrix} = (0, 1 - 44, -11)$ 

=> (12, -3,0) x (0, -44,-11) +0

ESCATIFIAND CONT CANT



3) 
$$N \cap \Gamma_{\Lambda} = \Lambda^{P}$$

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