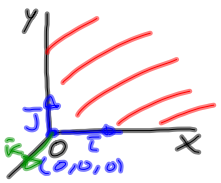
14

$OXY \begin{cases} P(0,0,0) \\ \vec{i} = (1,0,0) \\ \vec{j} = (0,1,0) \end{cases}$



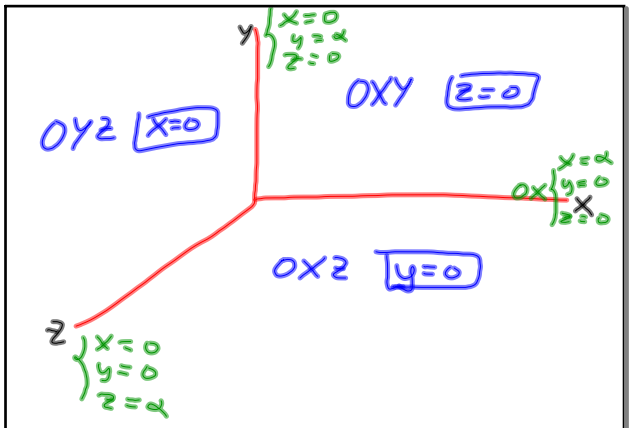
Ec param $\begin{cases} x = \alpha \\ y = \beta \\ z = 0 \end{cases} \quad \forall \alpha, \beta \in \mathbb{R}$

Ec implicita $\begin{vmatrix} x & y & z \\ 1 & 0 & 0 \\ 0 & 1 & 0 \end{vmatrix} = 0 \Rightarrow \boxed{z = 0}$

OXZ Ec param $\begin{cases} x = \alpha \\ y = 0 \\ z = \beta \end{cases} \Rightarrow \boxed{y = 0}$

OYZ Ec param $\begin{cases} x = 0 \\ y = \alpha \\ z = \beta \end{cases} \Rightarrow \boxed{x = 0}$

abr 25-14:04



abr 25-14:11

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2) $\begin{cases} x = \alpha \\ y = \beta \\ z = 3 \end{cases}$ b) $\begin{cases} x = -1 \\ y = \alpha \\ z = \beta \end{cases}$ c) $\begin{cases} x = \alpha \\ y = 2 \\ z = \beta \end{cases}$

abr 25-14:13

16 $\vec{n}$ $\pi : x = -1$

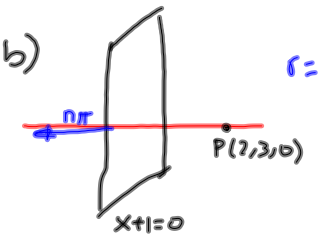
MODO 1 $x + 1 = 0 \Rightarrow \boxed{\vec{n} = (1,0,0)}$

$Ax + By + Cz + D = 0 \rightarrow \vec{n}(A,B,C)$

MODO 2 $P_1(-1,0,0)$ $P_2(-1,1,2)$ $P_3(-1,3,0)$

$\vec{n} = \overrightarrow{P_1P_2} \times \overrightarrow{P_1P_3}$

b)



$r: \begin{cases} P(2,3,0) \\ \vec{v}_r = \vec{n}_\pi = (1,0, \end{cases}$

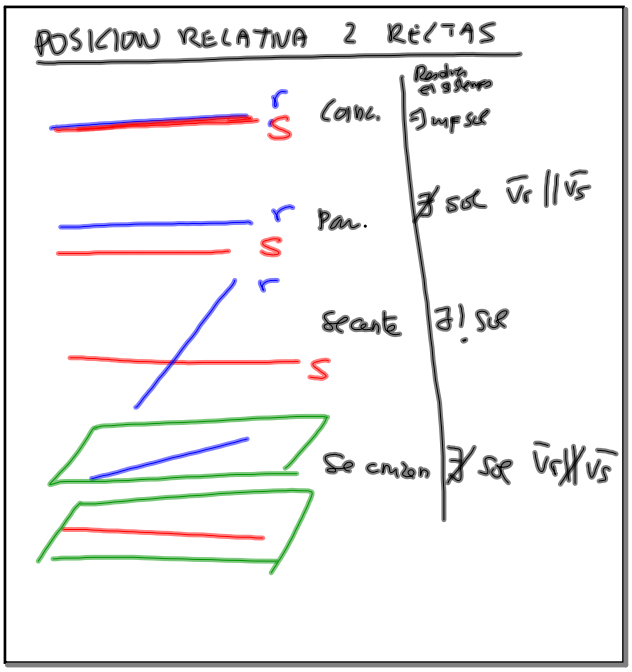
Ec. vect $(x,y,z) = (2,3,0) + \lambda(1,0,0) \quad \forall \lambda \in$

Ec. paran $\begin{cases} x = 2 + \lambda \\ y = 3 \\ z = 0 \end{cases} \quad \forall \lambda \in \mathbb{R}$

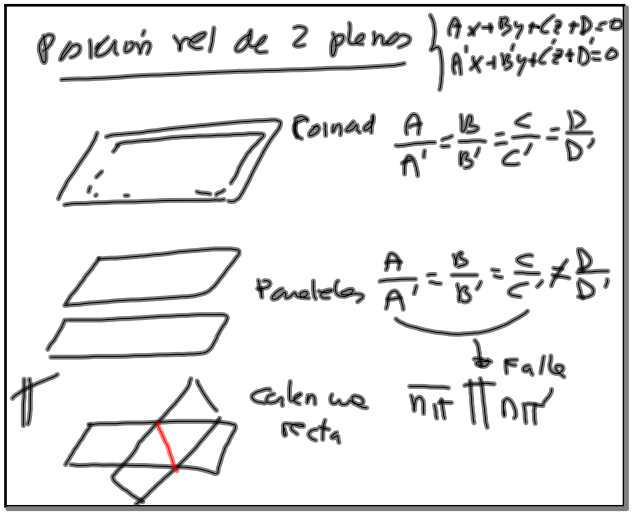
Ec. cont $\frac{x-2}{1} = \frac{y-3}{0} = \frac{z}{0}$

Implicita $\begin{cases} y = 3 \\ z = 0 \end{cases}$

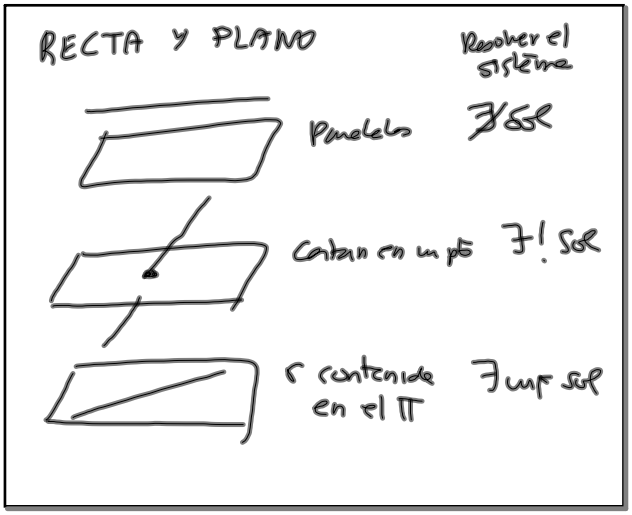
abr 25-14:14



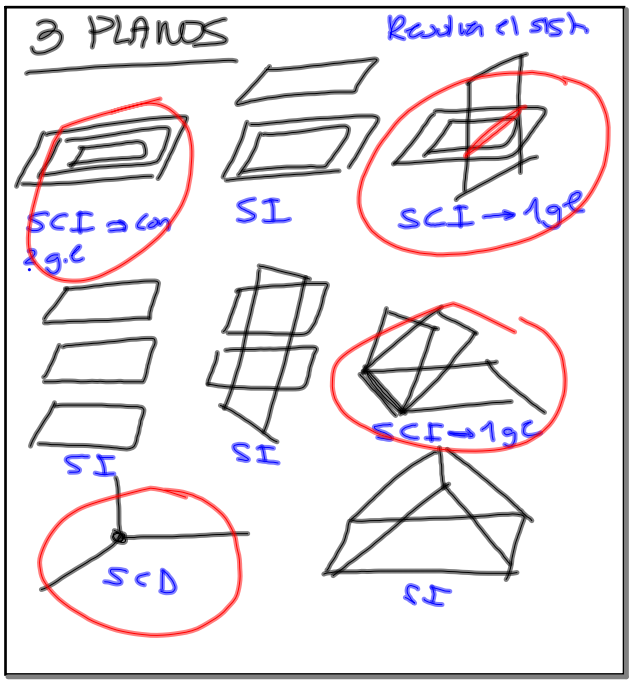
abr 25-14:21



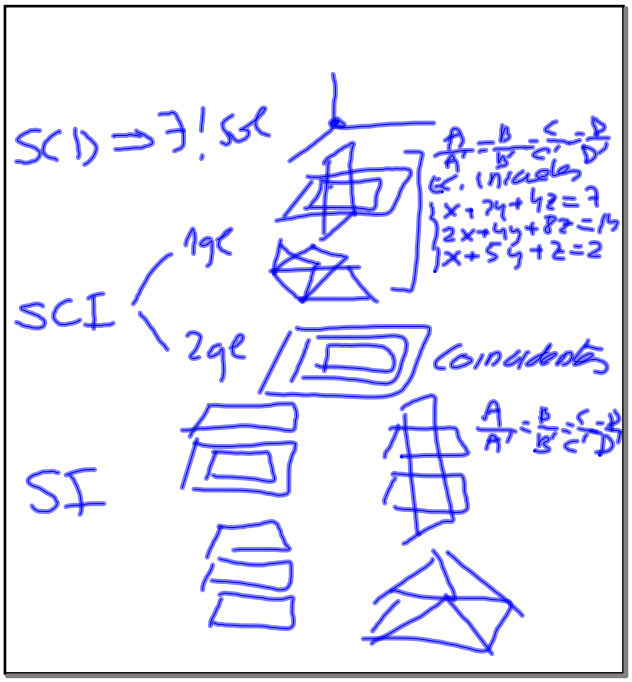
abr 25-14:25



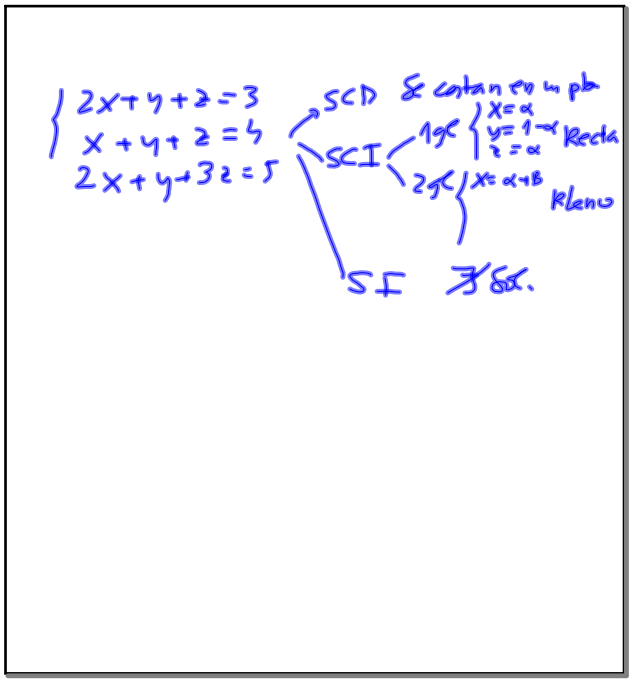
abr 25-14:28



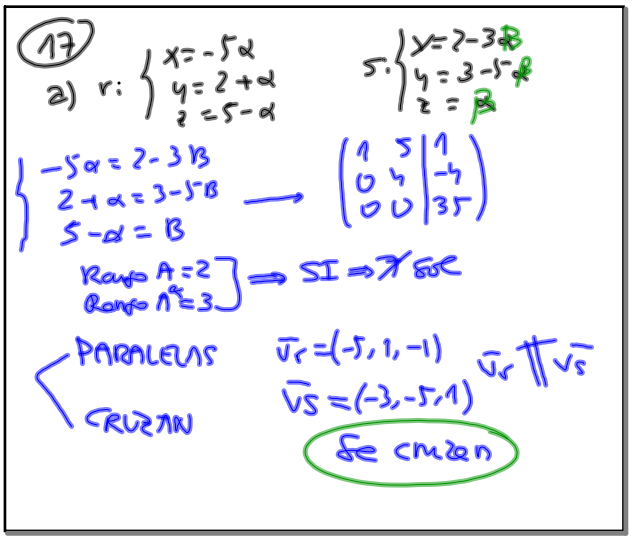
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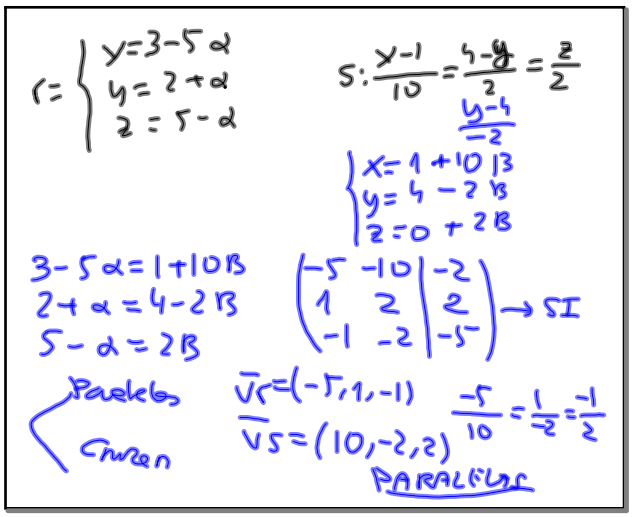
abr 25-14:34



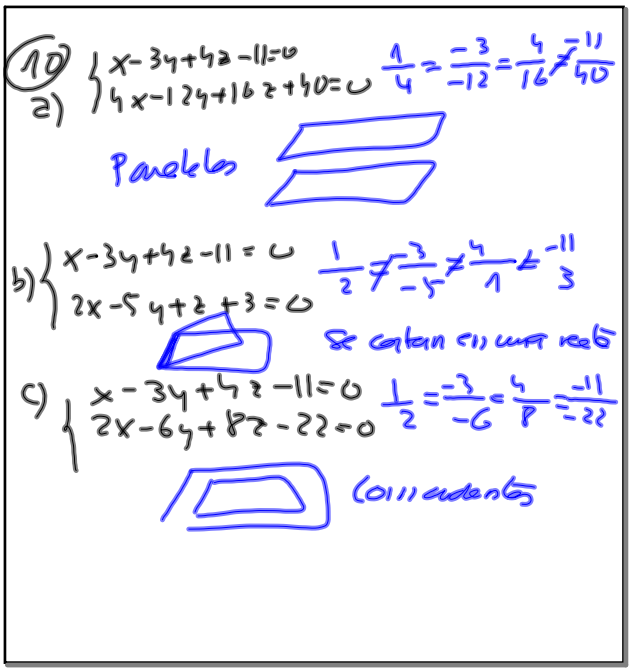
abr 25-14:32



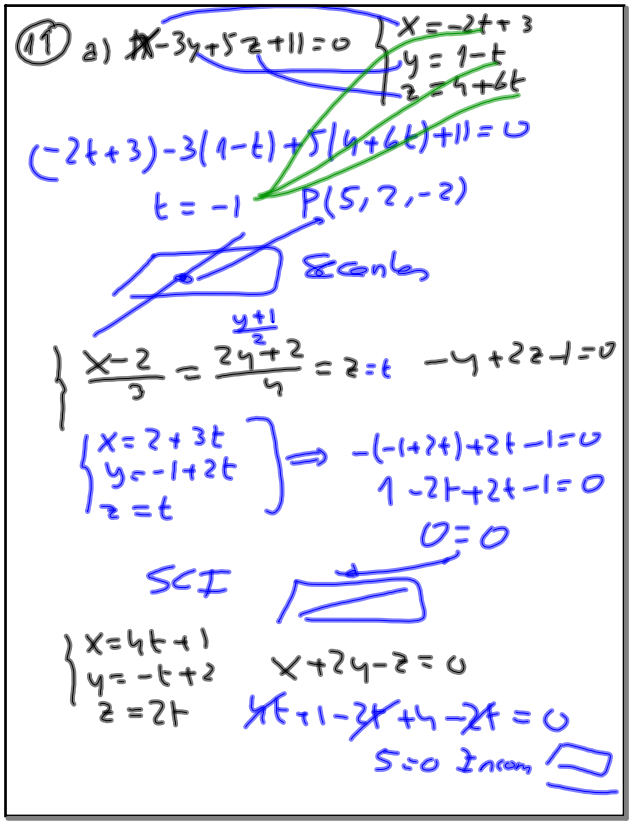
abr 25-14:38



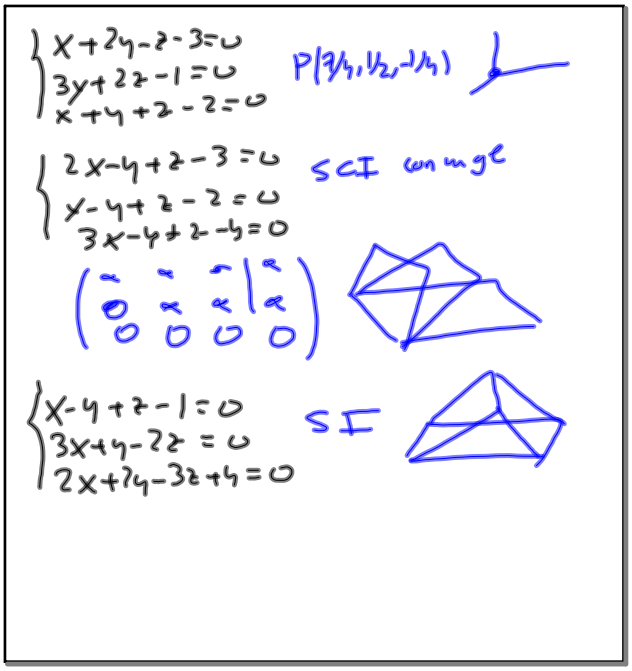
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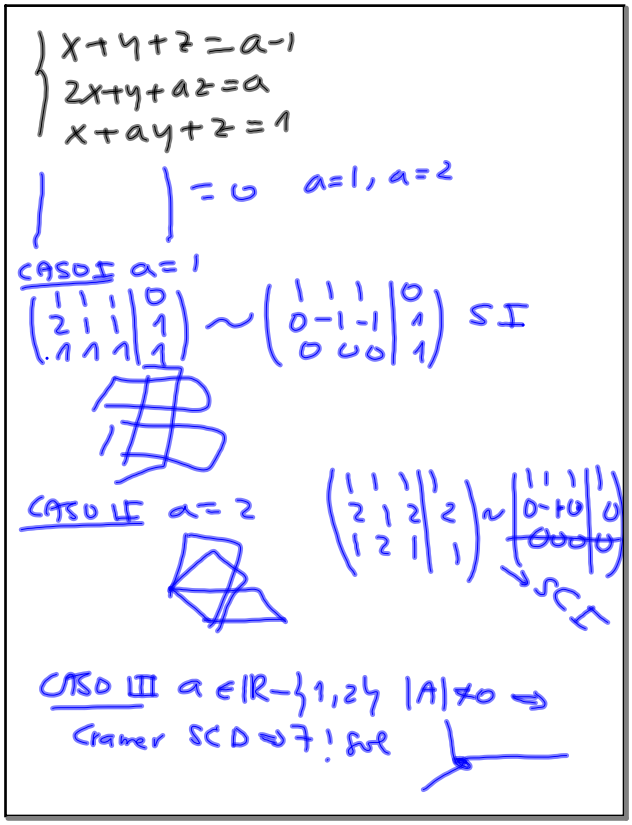
abr 25-14:44



abr 25-14:47



abr 25-14:52



abr 25-14:54