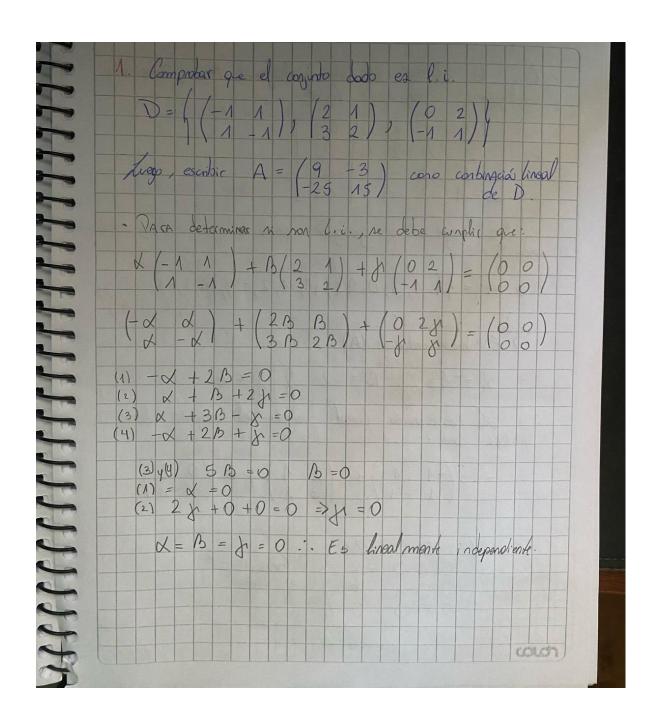
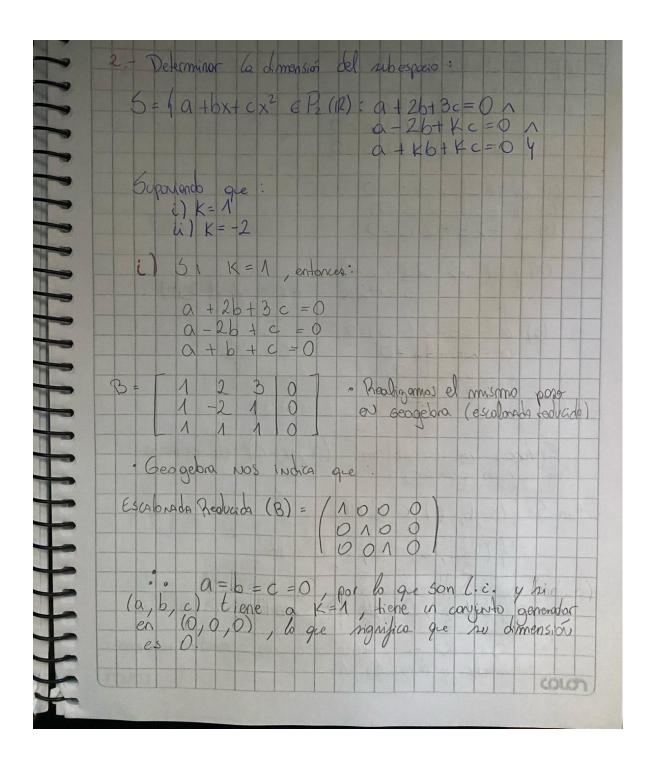
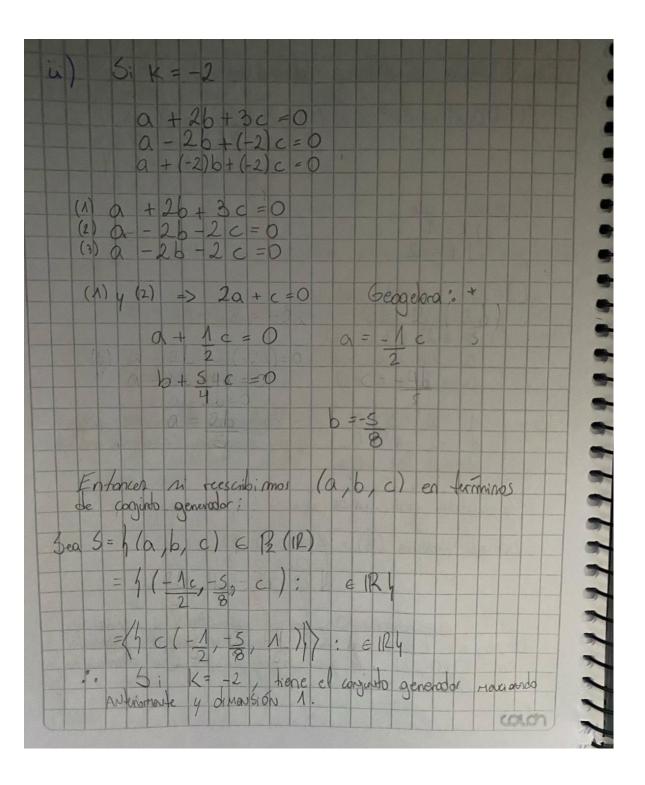
1. Ejercicio



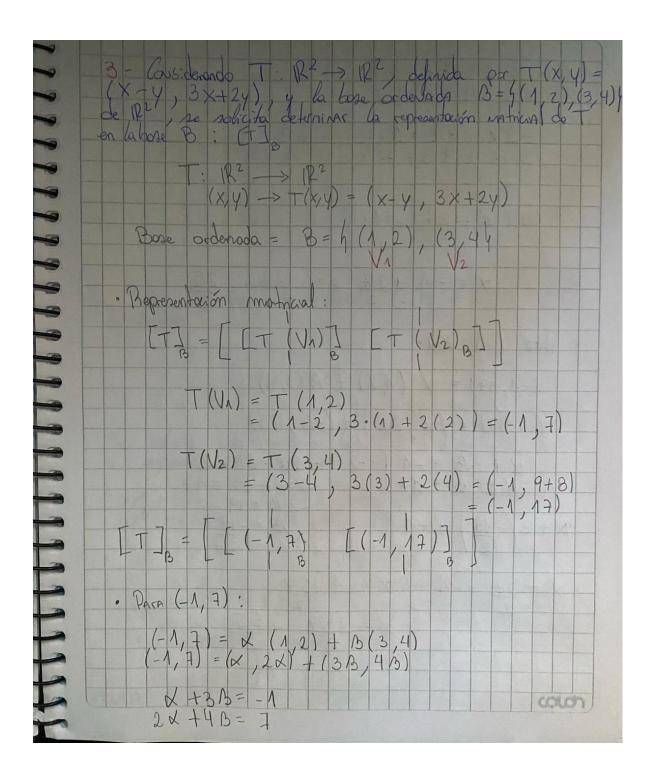
y realizon	nos Combinación	ancol	
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	9 -3	
	1 3 -1	-25	
nad t	ingreso a ga	ogebra PAra realigar	Mating esc
> A:	:= 11-1,2,0,9	9,41,1,2,-34,41,	3,-1,-25
	calonada reducida (A		
	= -13 , B=		
		, 10	
i do	construcción line	al según el conju	ap good
		12 11 6/1	2
	$13\begin{pmatrix} -1 & 1 \\ 1 & -1 \end{pmatrix} - 2$	$\begin{pmatrix} 2 & 1 \\ 3 & 2 \end{pmatrix} + 6 \begin{pmatrix} 6 \\ - \end{pmatrix}$	2 2
	/		
	$\begin{pmatrix} 1 & 0 & 0 & -12 \\ 0 & 1 & 0 & -2 \end{pmatrix}$	Geogebra *	
	0016		
	10000	1	

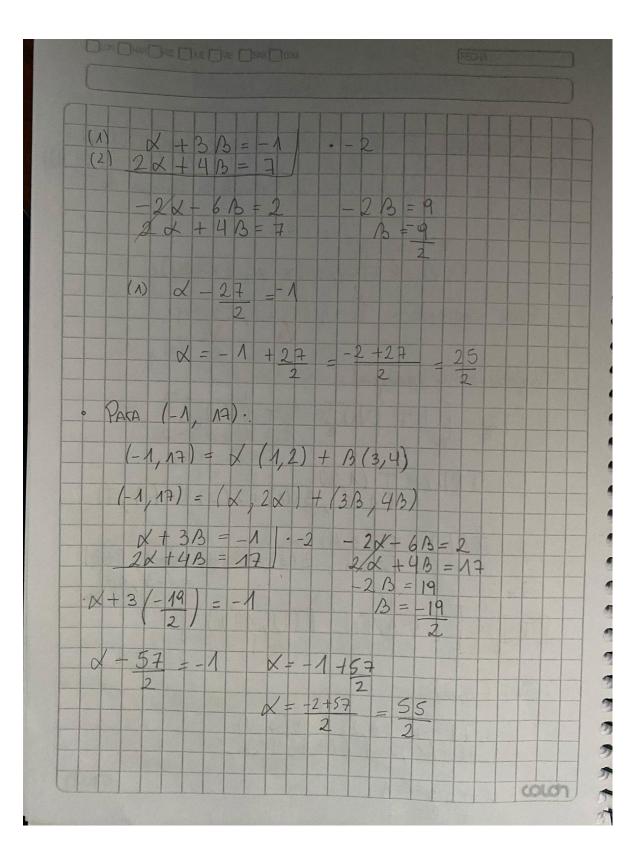
2. Ejercicio





3. Ejercicio

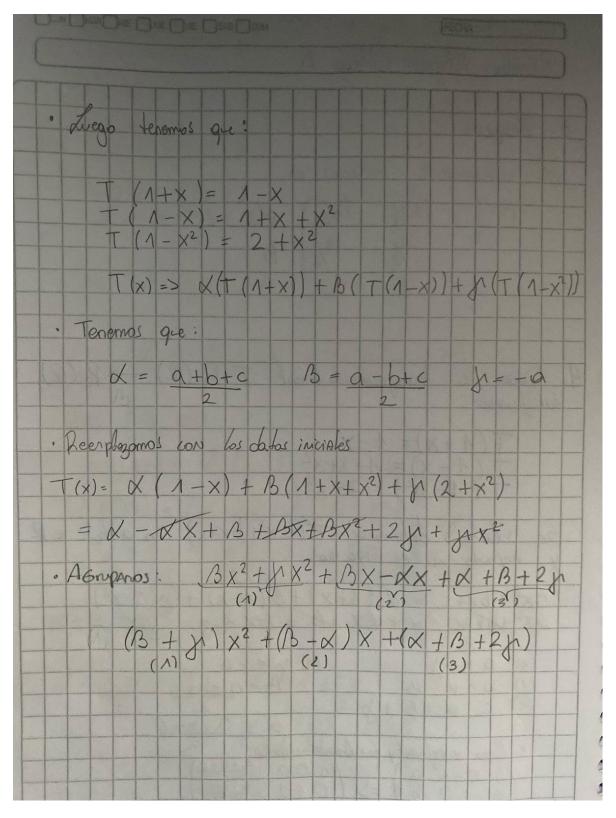


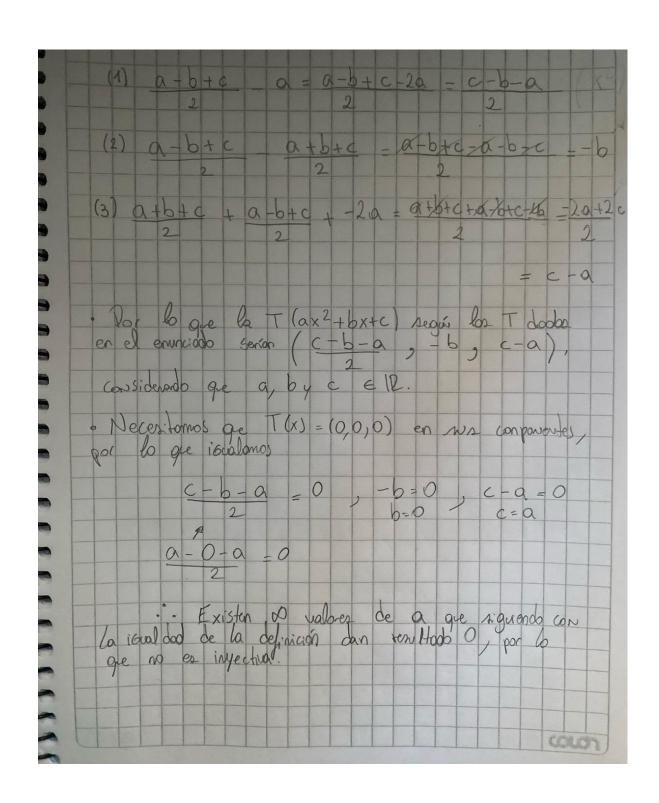


3. Respuesta. La representación matricial es monsformación lineal T: P2 (IR) -> P2 (IR), 4. Dada la satisfaciendo: T(1+x)=1-x $T(1-x)=1-x+x^2$ $T(1-x^2)=2+x^2$ Se solicità: determinar T(ax2+bx+c) con a,b,c ell y responder ni es injectua. $ax^{2} + bx + c = x(1+x) + b(1-x) + y(1-x^{2})$ $ax^{2} + bx + c = x + xx + b - bx + y - yx^{2}$ (A) $\alpha = -\beta$ (2) $b = \alpha - \beta$ (3) $c = \alpha + \beta + \beta$ (4) $\beta = -\alpha$ (5) $\beta = \alpha - \beta + \beta$ (6) $\beta = \alpha - \beta + \beta$ (7) $\beta = \alpha - \beta + \beta$ (8) $\alpha = \alpha + \beta + \beta$ Con Georgeon y escalanda reducida $\frac{2}{100}$ (1 -1 0 b) => (0 10 $\frac{2}{100}$)

1 11 C/ 001 - a colon

4. Ejercicio (también se encuentra en la hoja de arriba)





Geogebra

$$A = \begin{pmatrix} -1 & 2 & 0 & 9 \\ 1 & 1 & 2 & -3 \\ 1 & 3 & -1 & -25 \\ -1 & 2 & 1 & 15 \end{pmatrix}$$

EscalonadaReducida(A)

$$= \left(\begin{array}{cccc} 1 & 0 & 0 & -13 \\ 0 & 1 & 0 & -2 \\ 0 & 0 & 1 & 6 \\ 0 & 0 & 0 & 0 \end{array}\right)$$

$$B = \begin{pmatrix} 1 & 2 & 3 & 0 \\ 1 & -2 & 1 & 0 \\ 1 & 1 & 1 & 0 \end{pmatrix}$$

EscalonadaReducida(B)

$$= \left(\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \end{array}\right)$$

$$C = \begin{pmatrix} 1 & 2 & 3 & 0 \\ 1 & -2 & -2 & 0 \\ 1 & -2 & -2 & 0 \end{pmatrix}$$

$$\mathsf{F} = \left(\begin{array}{cccc} 0 & 0 & -1 & \mathsf{a} \\ 1 & -1 & 0 & \mathsf{b} \\ 1 & 1 & 1 & \mathsf{c} \end{array} \right)$$

EscalonadaReducida(F)

$$= \left(\begin{array}{cccc} 1 & 0 & 0 & \frac{\mathsf{a} + \mathsf{b} + \mathsf{c}}{2} \\ 0 & 1 & 0 & \frac{\mathsf{a} - \mathsf{b} + \mathsf{c}}{2} \\ 0 & 0 & 1 & -\mathsf{a} \end{array}\right)$$