	Transformation Operators Date: / //				
1. Ref	ection about $u_1=c_n$ $[-10]$. anis. $(-n,y)$ $u_2=y$ $[01]$.				
1					
2. Rej	ection about anis (x,y) hy=n 10 hy=n 0 -1				
abou	Pertion Thui Thui (y, n) $(y,$				
4. Rej	liction about $M_1=n$ [100] plane $M_2=y$ 010 $M_3=-2$ $00-1$				
5. Reg	extra about $m_1 = -n$ -100 plane. $m_2 = y$ 010 $m_3 = z$ 001				
Ш	election about. My=n. 100 plane m2=y 0-10 m3=z 001				

	Projection O	Lp erateus	Date:	111	
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<u>en n</u> z)	3-2	000		
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1 Counterclockmisisot my x 1 0 0 about x axis [0] his yeard-zenil 0 cord-suil my = yearil-12000 0 crib cord
2. CounterCrockmiss Roll ry=rcos0tzenio cos0 0 sino about y aris (0) hy=y 0 1 0 hy=-xesi0+zeos0 -snio 0 coso.
3. Countriclockmin som sup neceso-yenil coso-cnil o about 3 anis [0]. M2= usnil fycoso cmb= coso 0 M3=2.
Confraction and Belation
1. Contraction heith : [hy=kx] factor k on R² hy=kx k 0 9. Dilation with hy=kx 0 k. factor k on R² hy=kx 1
John traction with hyckn k o o factor k on R3 hroky o k o ho factor hith m3=k2 o h.
composition of linear transformation (TBO.TA)(N) = TB(TA(N)) TBOTA = TBA
Composition of two roth (TaoTi)(n)=Ta(Ti(n))

T=TooT20T1. (MM2) 6M3M4) M5
To show he is a subspace of V, it must be closed under addition and scalar multiplication

Sets.