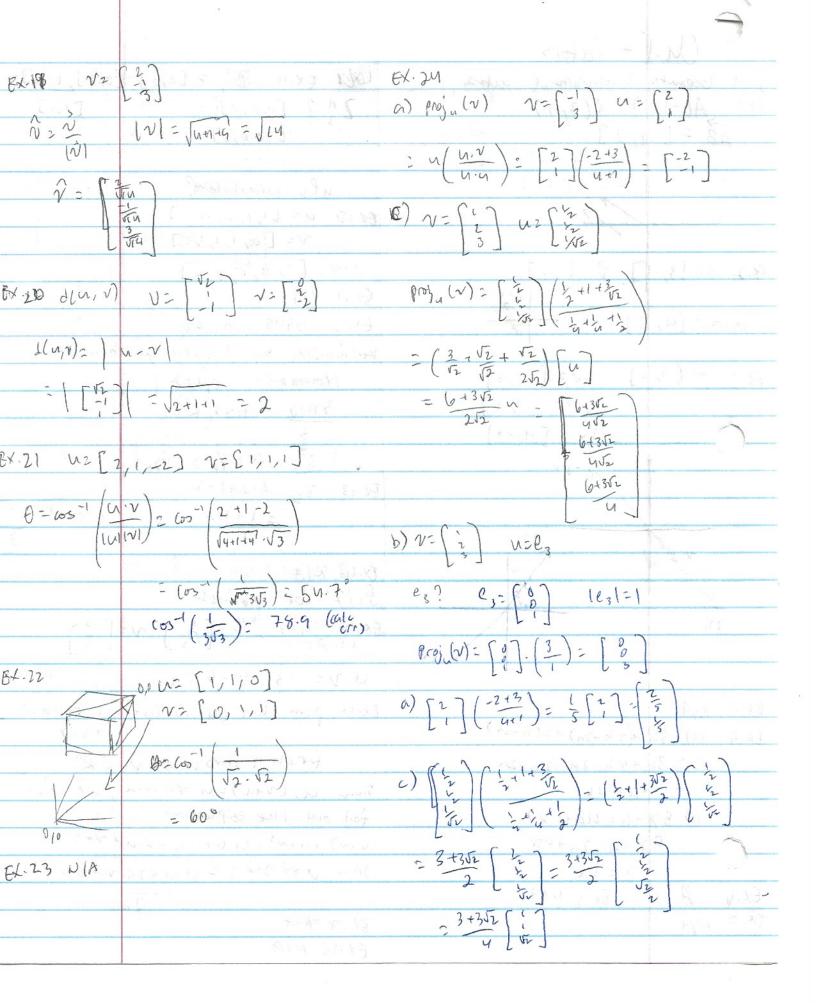
Ch.	1 - Vectors		
	y & algibra of vulos	My Ex.9 22 > [0/0]	[0,1], [1,0],
EX1 AC-1,	1) \$(3,9)	7 1 9 [0,0,0]	
AB = [4.27	[20,0,0)	
	1 1 2 2 1 (2 2) No :		1-14/2
	(Willy de V LAND	ulz primitations?	17 - 4
	17 100000000000000000000000000000000000	Ex.10 u= [1,1,0,1,0]	11
	The state of the s	V=[0,1,1,10]	
R2 0= [3,-	7 7:[1,4]	UN=[1,0,1,0,0]	
	To and the	Ex-11 01/4	\$ - I II F.
n+~ = [4,	33	EX.12 3548 15 23	
	1 1/4×4,36,4 15 1 1 =	Keep dividing by 3 until you	how the
BX.3 ~= (2,	4) 2 = [-4,8]	remarkable oct, 2	
	2 N=[-1,2]	3548 - 1182 R2	
	-2 - [4, -8]	3	
-	7-22	: 3548% 3 = 2	17 W 17 3
		EK-13 Zz 2+2+1+2	
		= 1442 60 2	21 - 3
N. P.	24 / 100 (8	TELEPINA NIV	14-01
		B.lu NIA	
E/	15/31 (Con 10 0 555	\$1.2 dot product	
7 V		EX. 15 4.7 , V= (3) ~	=[-:)
	W. W		12
jus r		U.V= -3 +10-6=1	\$1.49
EX-4 NIA	11/4/ /25/09/6	Ex. 16 pour that (u+v). (u+	v)= u-4+2(u.v)
Ex.5 0) 3.	a +(5b-2n)+2(b-a)		17.7
	a +5 b -2n +26 -2a	for all vellors in and v	in Rn
12/-	-4+76	Suc 4. (V+W)=4.7+4.	
b) 5	x-4=2(a+22)	foil out the expression	
5	x-a=2a+4x	(4+2).(4+2)=4.4+4.2+2.0	1 + 22
	7=3a	Fru U.V: 2.4, = [+24, v + v.v]	
EXIL WA	EX. 4 N/A	QED	
Ex. 7 N/A	1/1/2/241	EX.,7 MA	
	Tap I b	EX.18 N/A	1



ER-31 1= [2] P= [0] Ex. 25 gum a sector descriptor st the new part of AB

(1-DA 5-OB m=OM is 0 is the origin vector & laranter equition sind 2 orthogon whom to a "think & ever" the find AB = b-a
M-a= AM = 3AB = 2(b-a) K (7,3,0) -. m= u+ 2 (b-a)= 2 (a+b) §1.3 lims + planes EX-24 N/A BX.27 N/A 8-6+33-3t Ex-2x Po= (1,2,-1) == [3] Ex. 32 dist. B(1,0,2) 7-p+td= (1-15t, 2-t, -1+3t) tol, A(3,(,1) d=[:] farapaton: x=1+5t y= 2-2 7:-1-56 Ex. 29 pa= (3,-4,1)=d Po=1 (-1,5,0) $C = \frac{\rho \cdot \rho_{0,1} \alpha}{\delta = \alpha - \zeta}$ $= \alpha - \frac{1}{\rho_{0,1} \alpha}$ [2 - 5] + t [3] EX-30 P(4,0,1) 1= [1] Normal: 1. (2-P)=0 1. X=n.p Mongre grunl: 1+2y+3=6+3=9 dist = (6) = (2+25+1) = 30 = 150 161= 5 m

