I : la congle indopendent.

Loul

	Date
Expt.	No Page No
	C1=0
	$C_1+C_2=0$
	$C_2 = 0$
	$C_1 + C_2 + C_3 = 0$
	$C_{2} = 0$
	.: Sis linearly undependent
	- Control of the cont
II	Basis:
1	Is S= Ec1, 0, 0, -U, Co, 1, 0, -1), (0, 0, 1, -1), (0, 0, 0, 0) abose of R4.
Solu	Sis linearly Independent
	No. of elts in the subset is 4.
	No of Dimensions un the vector space is 4.
	e. It is a leasis
	Ps s=2 (+x+x2 ,x+x2, x2) a hases of R4.
2/14	Six linearly Zudekendent
Soln	No. of elements and the subset is 3.
	No. of Dimensions in the vector space is 4.
	. St is not abasis
	o a constant of the constant o
	The second secon
	Teacher's Signature

	Date
Expl	Page No
1	def is basis (B, duin): if is independent (B): if len (B) == int (dim):
	if is independent (D).
	if len (R) == int (A:).
	print (6 And the dimension of Vis ", din, 6 = number of elements of B. ").
	66 = Wellson of Vax games of R 11).
	else:
	else:
	pound Coo But, the divergeon is not matched.
	Else:
	lo al Company
	pormit ("so, the given set is not a hasis")
1.	B= Wb. Aggray (CC 7 5 7 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
	B= up. agoray ([[, 0, 0, -1], [0, 1,0,-1], [0, 0, 1, -1], [0, 0, 0, 1])
	is-lasie (B, dius)
2 >	x=sp. Symbols (°x1)
	B= Up. agoray ([1+2+2+2], 2+2+2]) din=4
	is_leasis (B, die)
	is_ Masis Di Chini
R	
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