		F
Week 4 Review	//	
1:		
Lines in IR3		
Greneral form		
4 ax+by+c2 = d		
Normal form (Try, 2)		
5 × = 9	1	6
Span (V1, v2 Vn) : Set of linear combination	als all V. Va Va	0
· In $1R^2$ , if $V_1, V_2$ are linearly independent	NG CI VIII	0
	October	
-) span(v, v2) & 12 = not	paranel	
-In 193, 2 non-zero, non-parallel vectors		
spans a plane if paial	iel, spanty, uz) = line	
thru the origin.	8540a 7' 7	
Linear Independence	Aproa M.X	
2 vectors: not parallel non-zero	if    "x x    =0, 1 2 2 1 x	
3+ vectors: not parallel (one vector con	be expressed	6
	omb of other vectors)	2
		2
Vector form		2
X = P+ S D+ ER S, E ER		<b>P</b>
		2
two direction		2
1 48 AC		34
P=A=(0,0,0)		34
normal vedor: Ux V	it constant zero ins are	=
	it constant zero ins are	E
System of equations	It consider the systems us	-
x + 2y + 3z = 6 T 1 2 3	wen intromogene	2.
-2x $152 = 2 = 2$ $-2$ 0	5 2	3
69-2=-5 606	-1 \-5	
"Augme	ented Matnx"	e
line intersecting two planes	E TYTO	2
· Line is perpendicular to both planes		<b>V</b> (2)