12.5		
3	Loud line through (2,2.4, 3.5)	Vactor
	Parallel to 36+25-12	
	Recall: vector equation of time Tlt)=	なったか
		That direction
	To=<2,2.4,3.5>	
	7= 23,2,-1>	
	7(L)= <2,2.4,3.5>+ te	(3,2,-1)
	= 21+3t, 2.4+2t, 3.5	-t>
	Parametric Egliations:	
	72=2+3t, y=2.4+2t, 2=	3,5-t
	Symmetric equations: (solve for t)	
	$\chi - 2$ $\gamma - 2.4 = 2 - 3.6$	5
	3 -1	
(5)	of line through (1,0,6) I to	7+3y +Z=5.
		plane.
	7-2/10/62	1001 Mearon

1 7(t)= (2+t, 1-t, t) (24) Ind equation of plane through (5,3,5) with normal vector 21+5-& recall: $\vec{n} \cdot (\vec{r} - \vec{r}_{\delta}) = 0$ (= < x4(2) To=(80,20) a(x=x0)+6(y-y0)+c(2-20)20 7=(a,6,6) 2(x-5)+1(y-3)+(-1)(2-5)=0In Standard form: 2x-10+1-3-2+5=0 2×+4-2=8 (30) And equation of the plane containing how: X=1+6 and 10 parallel to 1-7-F 2-4-3t 5x+2y+2=1. normal = (5,2,1) Po= /112147 let teo) 0= (n-1)· N Point: (1,2,4)

1(x-K)+6/4-1(2+2)=0 Planes 5(x-1)+2(y-2)+1(z-4)=0. P,: 3x+6y-3z=6 which are II to each other? are any identical? P2: 46-124 +82=5 P3: 94=1+3x+62 -> 3x-9y+6==-1 : 2= x +1 y -2 -> x+2 y -2 -2 Py N= 23,6,-3> Mz= <41-12,8> M3= 231-916> They = 21,2,7 กิ, แ กึ่ง 4 n3 = 24,-(2,8)= n2 त ४ त्य ३ व Mz Il Mz M3 x 72 = 0 P,: 3×+6y-3==6

2, 1 3×+62 > 3x-9y+62 =-1

Some!

Py : == x +14-2 -> x+24-2-2

P2: 48- D4 +82=5





