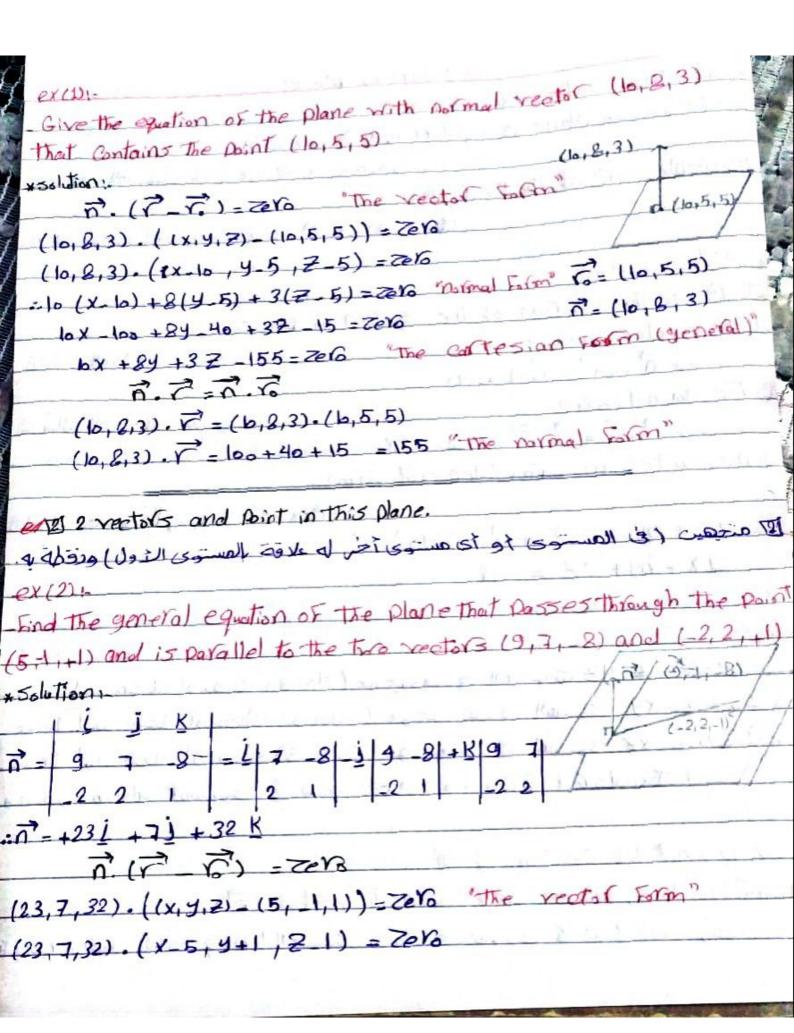
Therestian about equation of plane; (1) equation of plane is equation in three variables. (2) variables are of the first degree. (4 = (1) in the equation of plane; (4 = (1) in three variables.			
		* Equation of plane:	
		There are three forms of the equal	tion of plane.
		The vector form:	IT will that cho have ;
		→ R. (P-P) =ZeVo	1 4- V- V
		12) The normal Form:	لكا سلل المعادلة الطبيعى :.
= 7.7.7. 7. 6 D = alx	-X.)+b(y-y.)+ (/2- Z.) = 7016		
The Corresian Form (general)	Fo(m)1-		
	الله المعادلة الله رتيزي (المثلل الماع) :-		
ax + by + CZ (+ d) = Zero			
ax + by + cz = -d			
*looks	دلاحف.		
: X = 7216 + 47 5 5 mall & cursos	- قدما يلون منجه أو نقطة (فالفلغ) مو		
موجود ين في العستوى XY عي 2-3 ند	- عدما يلون متحه أو نقطة (ف الفراع)		
of reces & Hamies 5x = 3/25-6:			
	وتسمى معادلة المستوى في هذه الحا		
How to Find the position of plane			
I point in This plane and norma			



```
23(X-5) + 57 (4+1) + 32(Z-1) = 700 normal form
 23x - 115 + 74+7 + 32 = -32 = Zero
  23× +74 +32 7 = 115-7 +32
   23x +74+322 = 140 "The Coltinar form (general)
                                    الكا يونفاط في هذا المستوى:
3 3 Points in This plane:
ex(3):-
write, in normal form, The equation of the Plane (1,0,3), (1,2,-1)
and (6,1,6).
*solution:
                       NO
AB = (1,2,1) - (1,0,3) = (0,2,-4) 8=
AC = (6,1,6) - (1,0,3) = (5,1,3) (=16,1,6)
 II. J KI
·n= 0 2 -4 = 1 2 -4 - 1 0 -4 + K 0 2
 n= bi-2.1-lok
           7. (7-16)=Zero
 (10, -20, -10), ((x,y,Z)-(1,0,3)) = Zero " The rector To (m"
(lo, 20, -lo) (x-1, y-0, 7-3) = Zoro
10(x-1)-2(4)-b(Z-3)=Zero The normal Form
10x-10-204-107+30-Tero
6x -204-107=10-30
Jox-204 bZ = 20 "The cost sign From (general)"
ex(4). The equation of a plane has the general form 5x+6y+52 220
:1 = (5,6,5) "x, y, Z = 1 lbso" : d = 28
: The vector equation is n. ? = -d => (5,6,9). (x,4,2) = 28
```