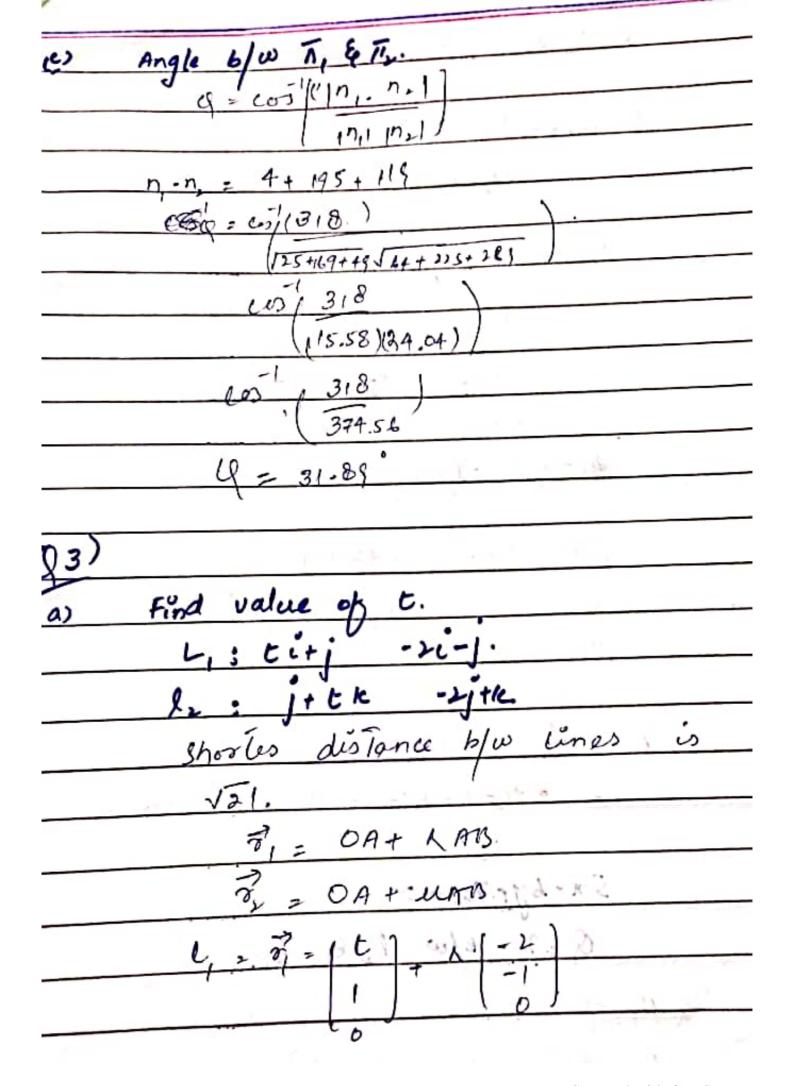


D= 14.6, ). (9, -a,)
16 rb. 1
advallance of it is not reactively
b, 26, =   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
0 -1 3-1
b=b=i(-3+L)-j(12-4L)+1(-4).
1 b, x b, 1 = V1+9-21+144+161-241 + 16
= 1171'-261+169
$a_1 - a_1 = [7] - [2]$
+ 1 6 -3 ·
3-31-57-
- 2 J
3 = (-3+1)5+3(12-41)-3(4)
J17 12-26 K+169.
9(1712-26/+169)=(-15+51+24-81-8)
9(17/2-26/+169) = (7/+24-23)
9(1712-861+169)= (71-1)
= 4912+1-24h
Λ = · · · · · · · · · · · · · · · · · ·
Then 12-51+4=0
1. 11 - 20° 1 - 1 = 1 = 2

when 121.
(b) Let II, be plane ABD when 1:4.
Li i, be plane ABD when 1=4.
1 Write equ of I, in form ax+by+ez=d.
i Write equ of its in form and
Clane ABD when K
80 pp = 9i+ 7j+1c
AB x AD.
10 1-10-1
=   1   1
-5 3 2
= i(-2-3)-j(8+5)+k(12-5).
= -5 \(\cdot - 13 \) + 7 \(\cdot \)
Cegu: -5(2)-13(7)5+7(1)t
1 -10-913+7t.
For Plane 12, when h=4.
AB + AD = 1 i j lc.
4 -1 1'
2 (1-5-3)-J(20-5)+K(12+5).
= -8i-15j+17 k.
Egu = -8(n-11)-15(y-3)+17(2-0).
= -8n+88-15y+45+172
= Ba+154-172-133



l, ; 7, = 10 ] + 11 0
$D = (b_1 \times b_2) \cdot (a_1 - a_1)$
[by s bx]
1 Dix Ux
b, x b, =   i , 11
-2 1 0
- i(1-0)-jtg)+11(4)
= i+j2+41L
a, -a, = - ti+ kt.
JAT = (i+ j2 + 4k) . (-ti+oj+kt)
- 1 2010 Fall
= -t+4t.
t = .7:15 d d d d d d
3) The FORTABL+MAL
7i+j+1(-2i-j)+ pe (-2j+k).
5n-by+72=0
Q=7 6/00 lx & TI.
n, of line; (0,-2,1)
12 of 112 = (5,-6, 7)
112 112

q= cos' (n, n2).
$[n_i, n_k]$
= (0)(0+10+7)
(J4+1) (J25+36+49)
. 9
= us (FETHO)
= cis / - 15
23.43/
Q = 35.813°
$(d)$ $T_{1,2} = (7) = (5)$
1 , 112 -6 .
0 7
Q = ces (35-6+0)
149+1 (-5+31+9)
$= \frac{(\sqrt{1717} ) 257 36141}{39}$
5505110
(x = 67.0)

P(-2,-1), 9(-6,-3) one end points of n-h)+(y-/() = 82 16+ b2 = 182. at point (0,2). 4+6-46 = 2

110000	The state of the s
1	
Part	()
1	4= 100 x.
	y= 100 a. y = +0x.
-	40x = 100%
	TOX = 10° K
	q = 35.
į.	$\gamma = -\alpha$ .
	-95 = n
7	
(d)	M = 944
(3)	
-	A = 84 9.
	7 = toy.
	40y = 624 y
	n= 84y. n= 84y. n= toy. Hoy=by4y. a=+6.
	H =-6.
	1 3 2 8 .
10)	(2) + ( d ) = !
	25 10
	a 1 4, 1
	(x)+(y)=!
	a 6
	a = 5, b = 4.
	c = Ja-5 => 125-16 2+3.
	$F_{1} = (-3,0)$ ; $F_{2} = (3,0)$ . leng Th = 2a = 2(5) = 10.
	1 1 - 90 -> 90 -> 10
	leng 1/2 = 20 =) d(3/= 10.
	/