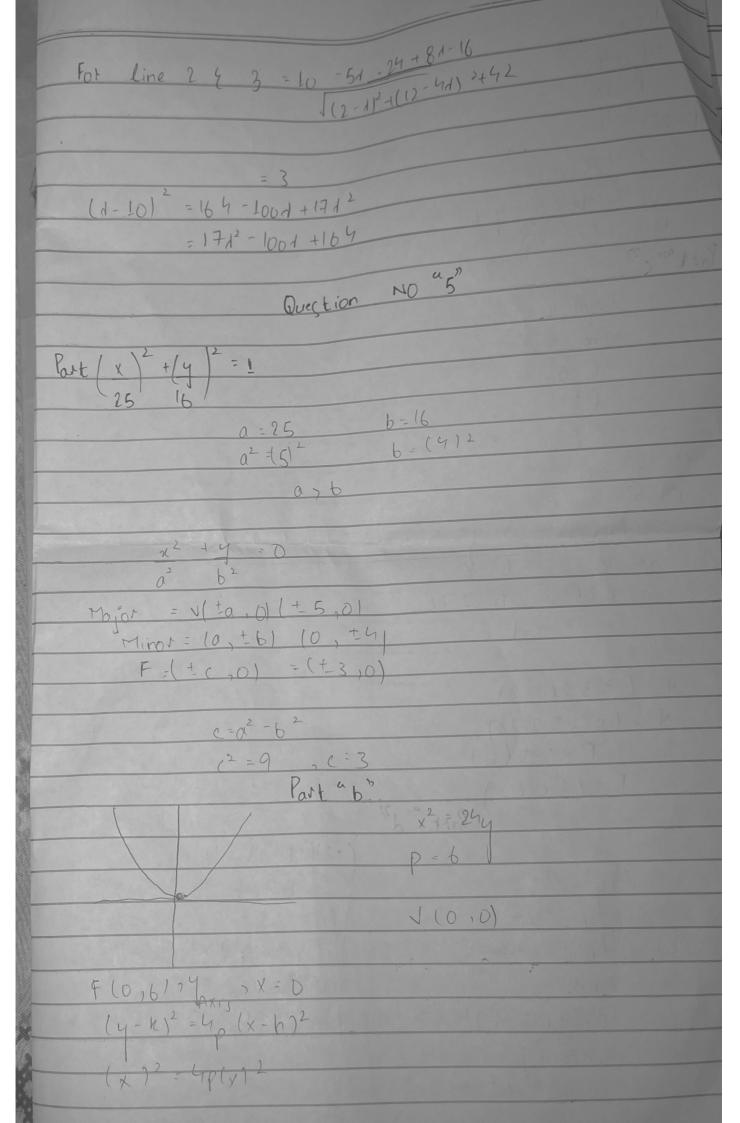
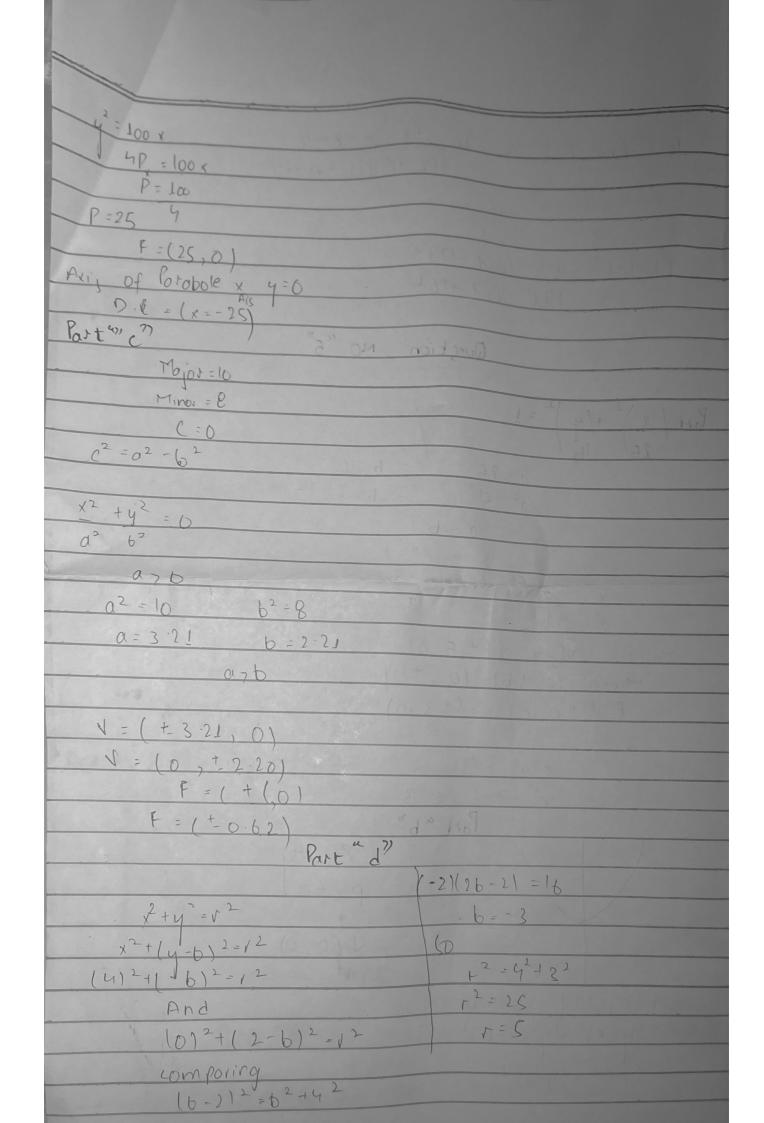
Name: - Nouman - Farocq ROLL NO: - FA21 - BEE - 150 Multi-Variable Calculus Assignment NO 1 · Question No "3" Criven - vector -7 Shortest distance between the time t, and t -7i(-1-0)-j(-2-0)+K(4-0) . (nortest Distance blue points $d = (b \times b) \cdot (a - a)$ = (i+2j+4k) · (-Ei+1k) V21

Criven 3t - 21 t=7 Overtion NO 12 Part"a" ABXCD = (1-21: + (41-12); -4K (-5:+2;+7k)-[(1-2):+(41-12);-4k]=3d-36 131-30 (1-2)2+(41-12)2+16=3 12-51-4=0 (A.67) Partub" 1=1, n=51+13; -7K 1=4, n=8:+25; -74





Ouestion NO 09:
7. 0.
The Points A, B, C from Position Vectors form of av+by+c+=0
or by tct = 0
· Colution:
A(4,-4,1) 4 118
: 4B(154) 33,154) hail
C(4,-1,-1)
AB = OB - DA
- 4 4
3 - 4
= 8 7 = -8i+7:-5K
Total "C"
1-5
AC DO DO COLOR DO COL
AC: OC-OA/ A VARA O VARA
3 - 31 - 31
$\frac{3}{-3}$ = $\frac{3}{3}$ = $\frac{3}{4}$ = $\frac{3}{4}$
1-31
ABXAC = 1; K
-8 7 -5
0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
By Toking Deter
By Toking Deter
- (P - 20 1 - 2
d=2 n · (4i - 4i + 4) · (i + 4i + 4k)
d=a.n=(4i-4j+4).(i+4j+41k)
il plane = -8
Tinad , tinad

