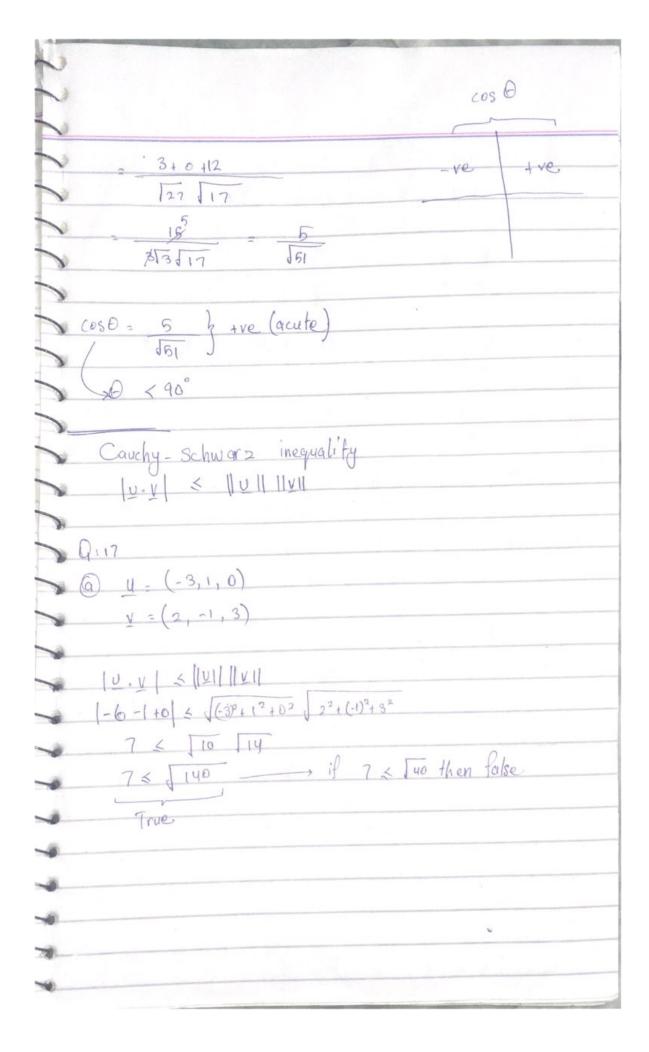
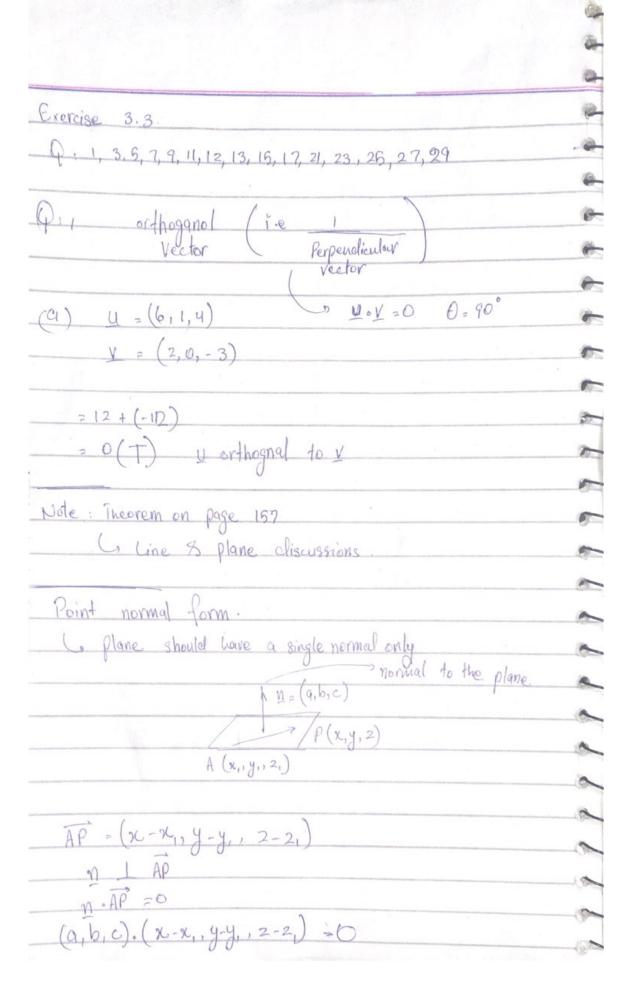
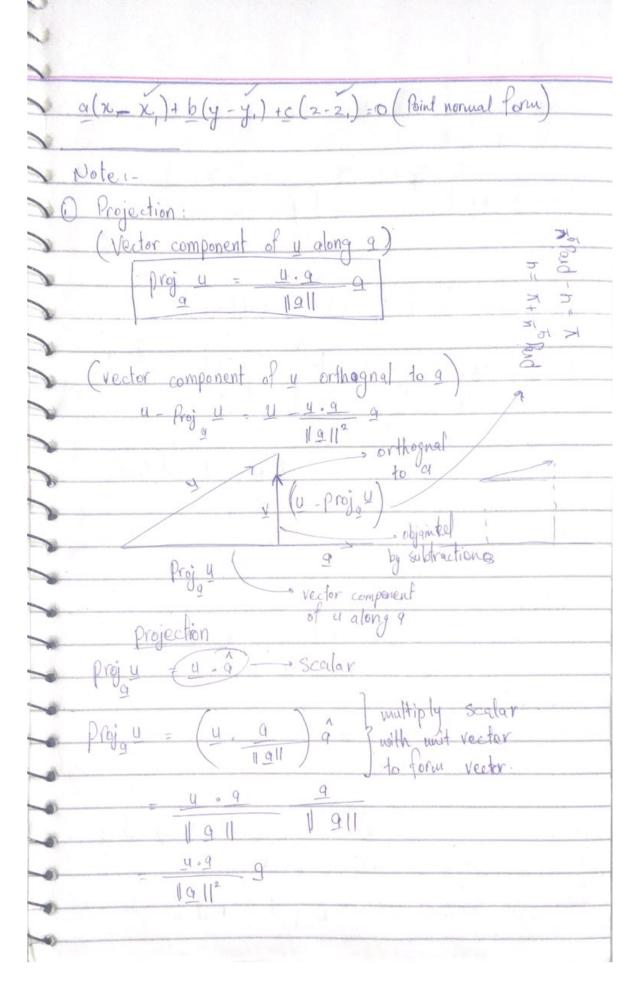
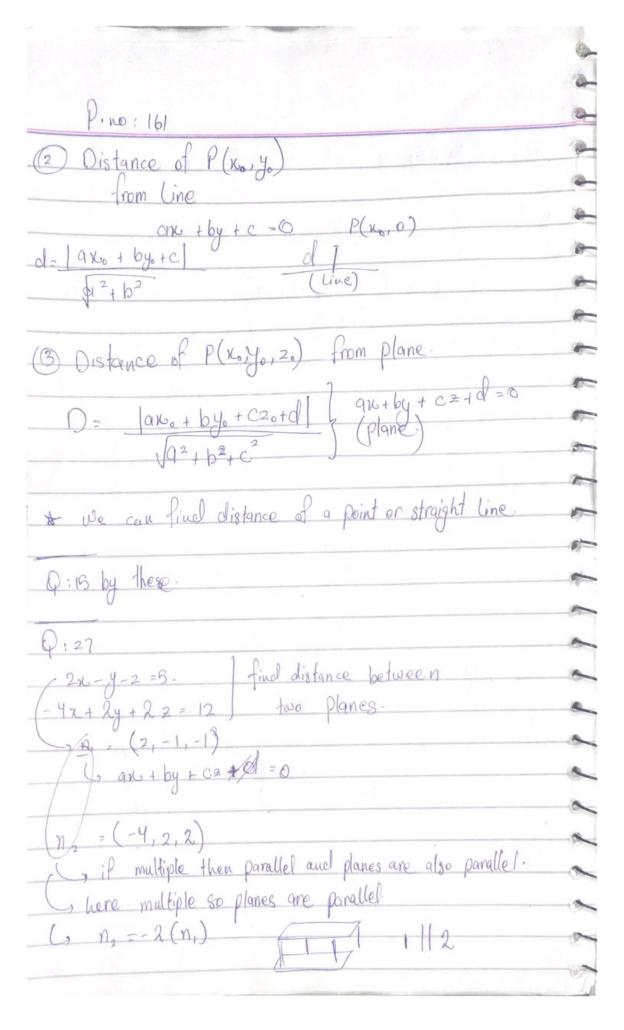


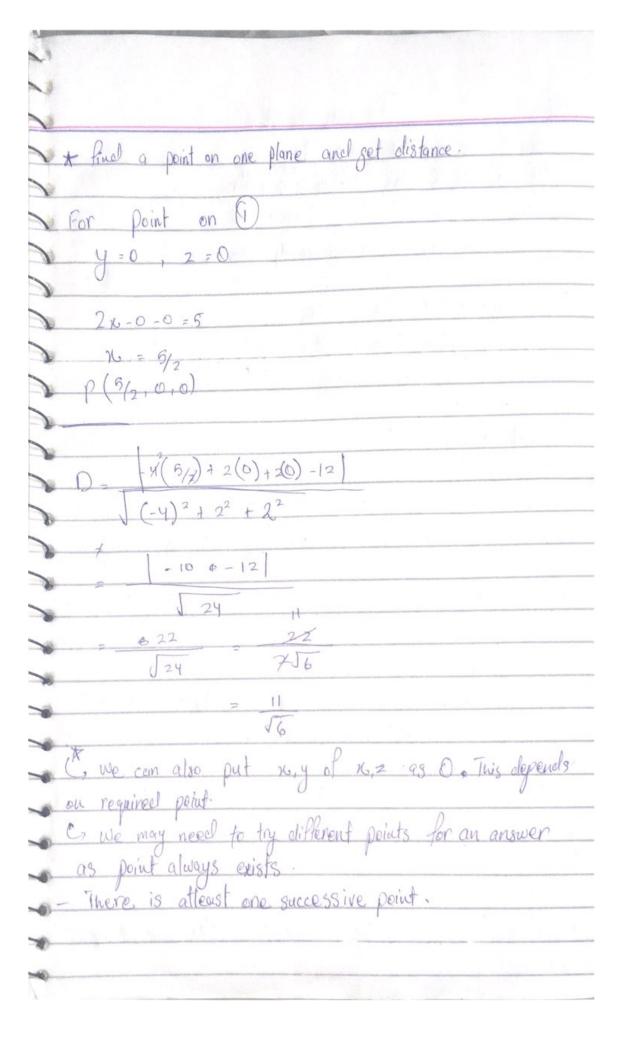
017 11k y 11 = 6 k=8 11ky 11 = (k/1/y 11 V = (-2, 3, 0, 6) (K| ||V|| = 6. | K| 7 = 6. k = + 5/7 0:11 (a) distance =? COS 6 = ? 4 = (3,3,3) V = (1,0,4) - distance = ? - 11 U - VII (9) U-V= (3-1, 3-0, 3-4) = (2,3,-1)  $\| V - V \| = \sqrt{2^2 + 3^2 + (-1)^2}$ 119-411 = 014 COSO = 4.V (3,3,3).(1,0,4) 32+32+32 (12+02+42 nullly 11



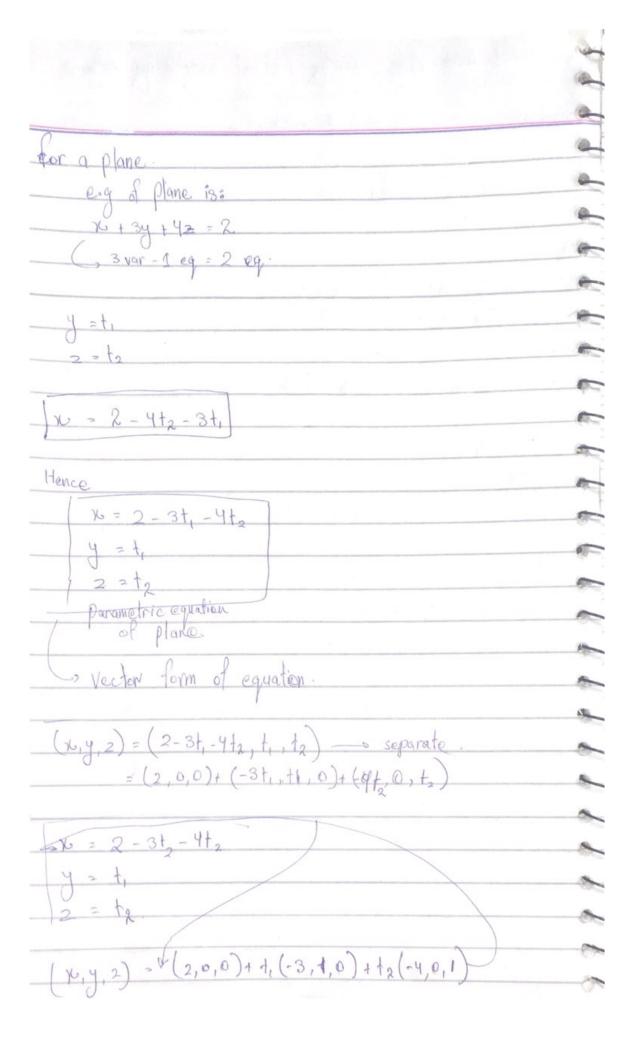


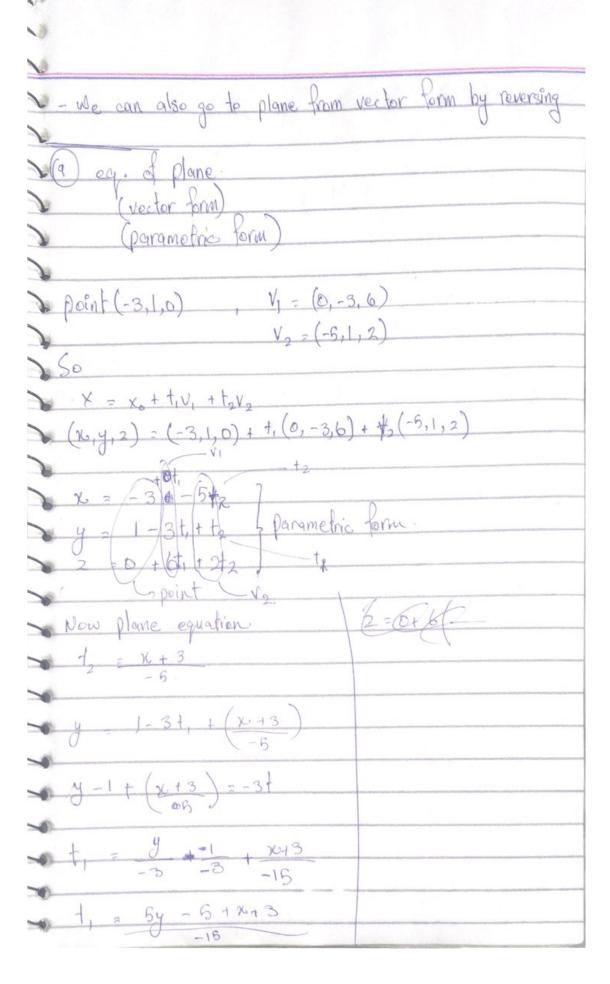


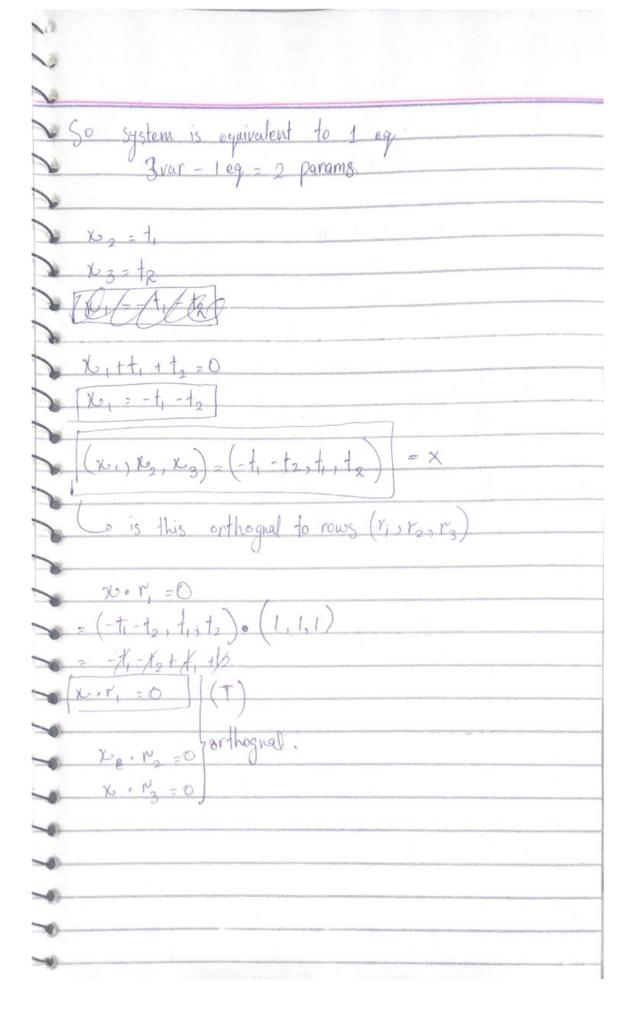


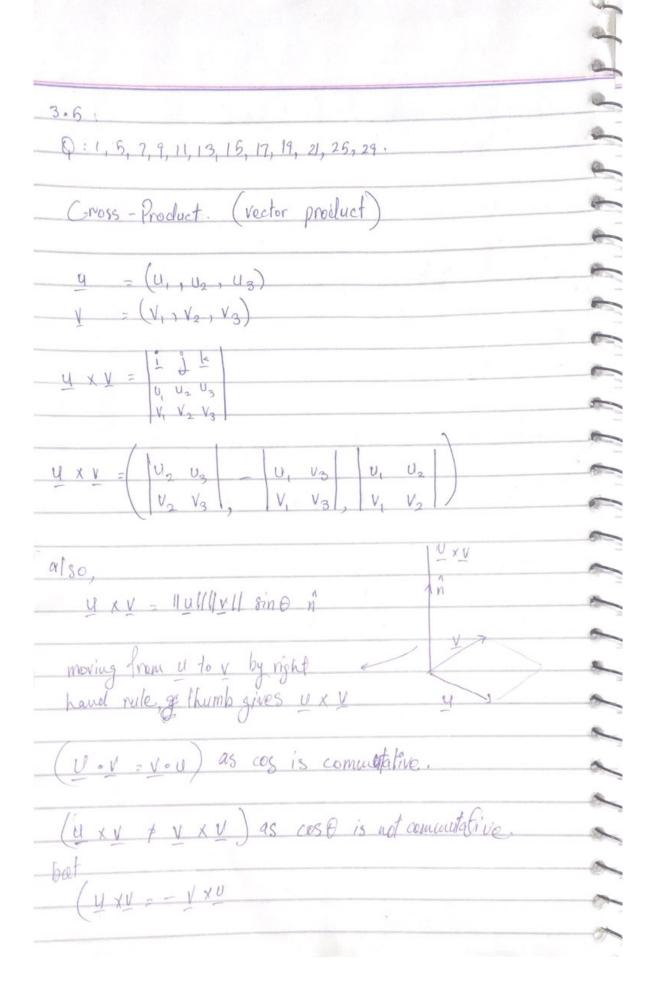


Microsoft visio, creatly / Unil modelling software.
11810, and I done wasten. I solved
31/3/2022 LINEAR ALGEBRA.
₩B-4:
Q: 1, 3, 5, 1, 9, 11, 13, 15, 17
Notes (P.169)
Depart through to and parallel to VI B V2 is!
X = X0+ 11V, + 12V2
line through xo and populled to Vis:
$X = x_0 + ty$
Y
to the
X-Xo variable point
Sino.
parallel so, x-x=ty
X = X0 + tv Ga scalar is introduced
On line =?
Point (-4,1), yedar v = (0,8)
find equation of line to parametric.
X = Xo + tV
(x,y)=(-4,1)+(0,-8)
vector equation of line
Parametric equation.
V4+0+
y = 1 - 8t









N - U XV (v × v I) Sind = 4 XV | | | | | | | (n) 50 > Sino = UXI HUINNI UXY 1/0 x v 4 Sind UV X VII 11111111 Note: 0=0 - parallel 8in0'-0 U X V =0 2) Derved of parallelogroum = NUXVI grea of triangle = 1 10 xx1 3 Scalar triple product. y. VXW = U, U2 U3 V, V2 V3 W, W2 W3

