9C = 10 1 - 10 1 - 2 1 - 3 1 - 3	1 = (-4) (4) = (-8) 1 = (-4) (4) = (-8) 1 - (-4) (4) = (-8) 1 - (-4) (-1) - (-8) 1 - (-4) (-1) - (-8)	7 70 7 70 7 70 7 70 7 70 7 70 7 70 7 70
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= i + 4j + 4je $= i + 4j + 4je$
d = a.n = (4: +4; +1c).(1+4; +4b) = -8
Equation of glane $8 \cdot n = d$ $8 \cdot (i + 4j + 4k) = -8$
(ni+yj+zk),(i+yj+yk) = -8 n+yy+yz=-8 (n+yy+yz+8=0)
by Perpendicular distance from O to ABC.
$Soli-P = \frac{d}{(n)}$
= 8
P = 1.39
$S = \begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix} + \lambda \begin{pmatrix} 3 \\ 3 \end{pmatrix}$

$$8 = \begin{pmatrix} 2 \\ 3 \\ 1 \end{pmatrix} \cdot \begin{pmatrix} 4 \\ 4 \\ 4 \end{pmatrix}$$

$$8 = \begin{pmatrix} 2 \\ 3 \\ 12 \end{pmatrix} \cdot \begin{pmatrix} 4 \\ 4 \\ 12 \end{pmatrix}$$

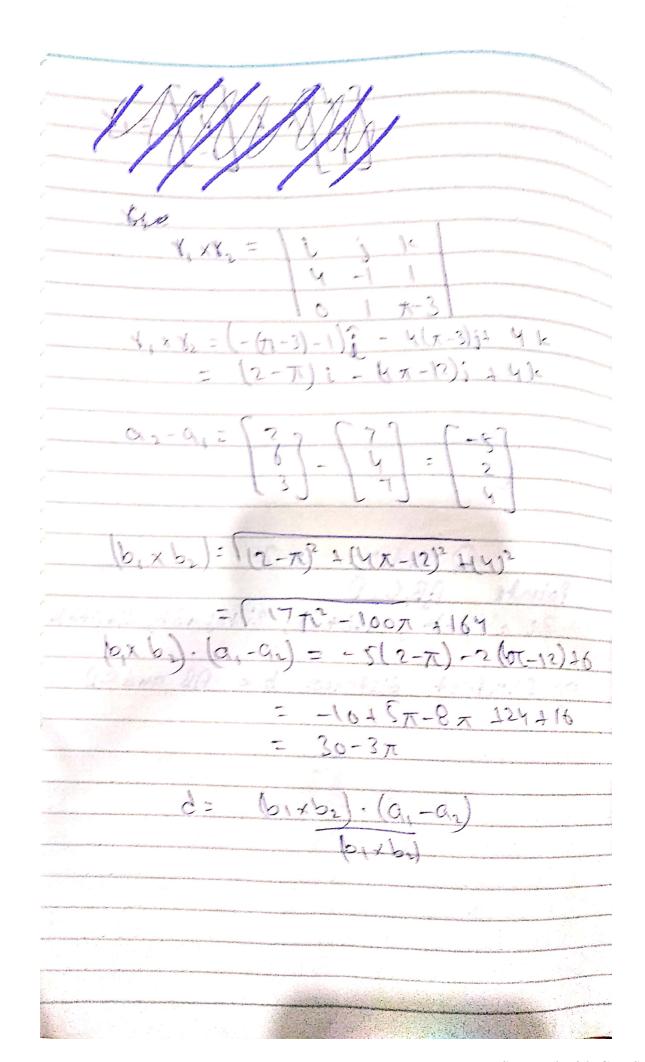
$$8 = \begin{pmatrix} 2 \\ 4 \\ 12 \end{pmatrix} \cdot \begin{pmatrix} 4 \\ 12 \\ 12 \end{pmatrix}$$

$$8 = \begin{pmatrix} 2 \\ 4 \\ 12 \end{pmatrix} \cdot \begin{pmatrix} 4 \\ 12 \\ 12 \end{pmatrix}$$

$$8 = \begin{pmatrix} 2 \\ 4 \\ 12 \end{pmatrix} \cdot \begin{pmatrix} 4 \\ 12 \\ 12 \end{pmatrix}$$

$$8 = \begin{pmatrix} 2 \\ 4 \\ 12 \end{pmatrix} \cdot \begin{pmatrix} 4 \\ 12 \\ 12 \end{pmatrix}$$

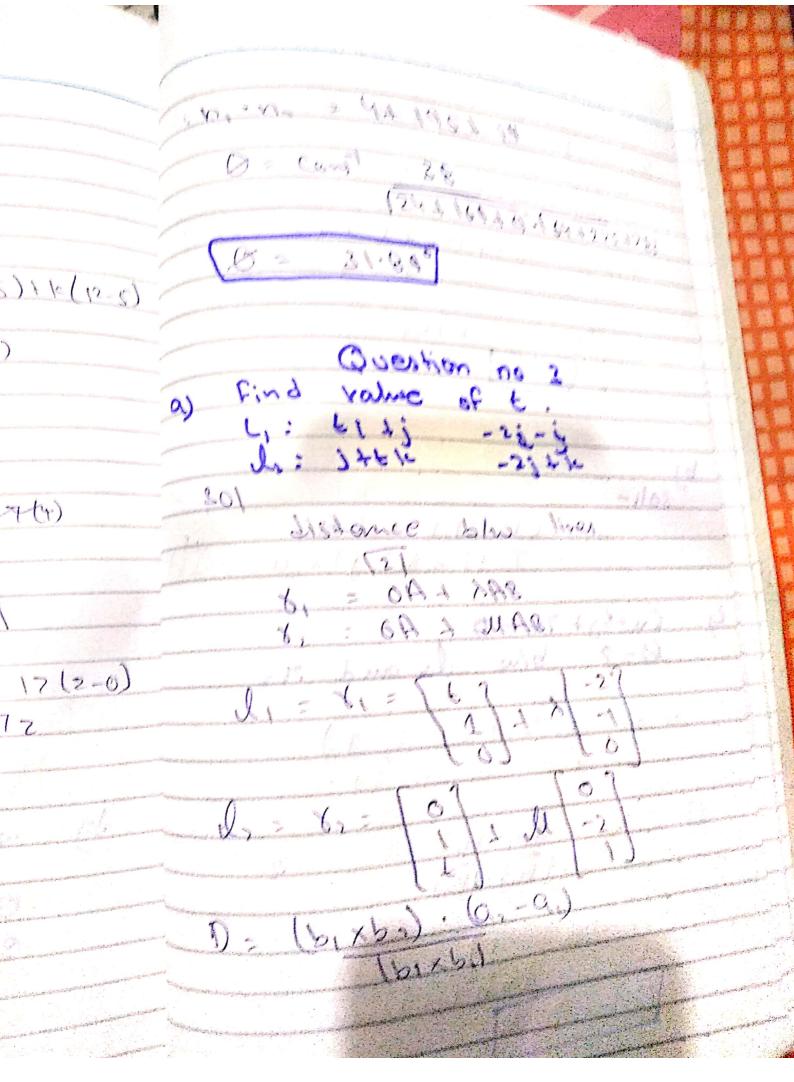
$$8 = \begin{pmatrix} 2 \\ 4 \\ 12 \end{pmatrix} \cdot \begin{pmatrix} 4 \\ 12 \\$$



144152-7701 +576=0 - 45x +361=0 (01-12) 26 124+16

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:102 Plane ABD when 1=1 ABX BD i (-2-3)-j(845)+k(12 -2(5)-13(2) 7 2(1) -2(5)-13(2) 7 2(1) for x = ABXAD = usbltslith 7(4) = -81+15; +1714 Eq = -8(n-11)-15(y-3) + 17(2-0) -8n 188-15y + 45 ACT Z C) Angle blw T, and To



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8p1xp3 = 1 + 5) +41c a,-a, = - it + 1ct (21 = (i+j+h/k), (-ti+jh/c+) 21 = = = +14t P) -1102 T, = GA + XAB + MAC = 7i+j + Xl2i-j) + M(->j+k) 9 (n-6y+7n-0 0=2 b/w dr and 712 n of l, = (0,-2, 1) T = (5, -6, 7)0 = cos-1 ln,-nat 1 mil. 1mil Ø = Cost 19 [41 [25136149 Q = 35.8

