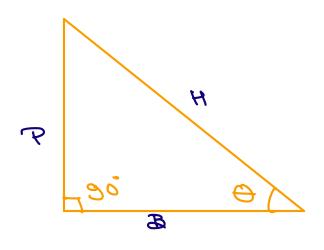
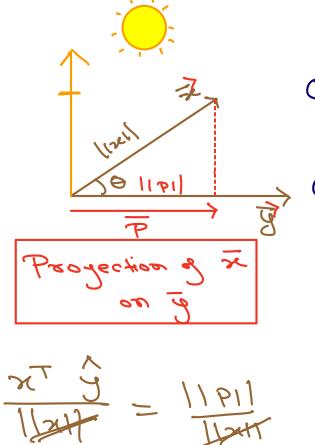
3 Revision Directionation blu is and line D Trigrometric Relation b/w and Draingle D' Progection of vector 3) Shifting the Line Distance b/w line and origin Distance Was point and Dine W17+ U2 9+ W0= P = 1101 3 = 9 x 3

Trignometro g Angles



$$\cos \theta \ni \underline{\mathcal{B}}$$

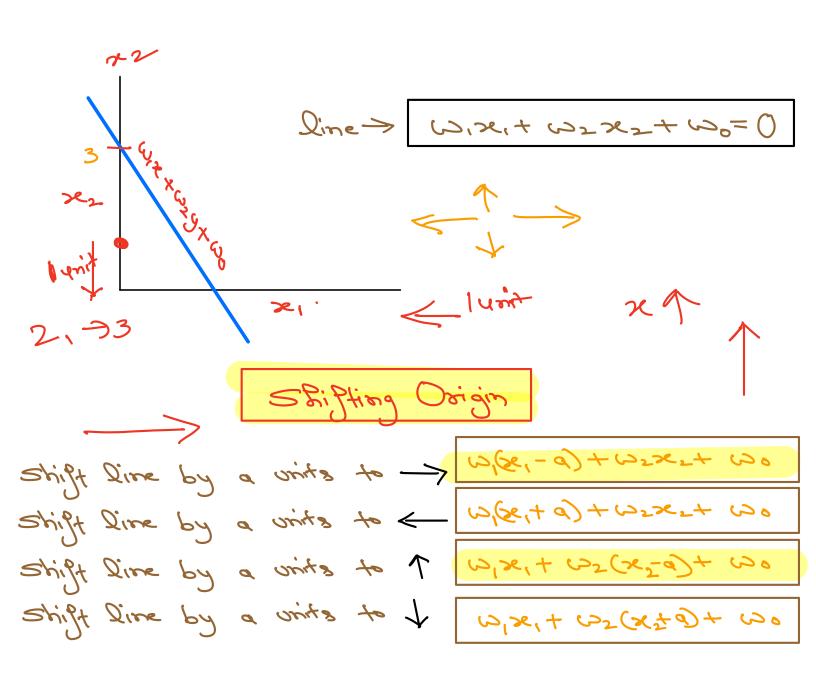
Projection of Vector



$$O(trigo) Cos \Theta = \frac{|P|}{||x||}$$

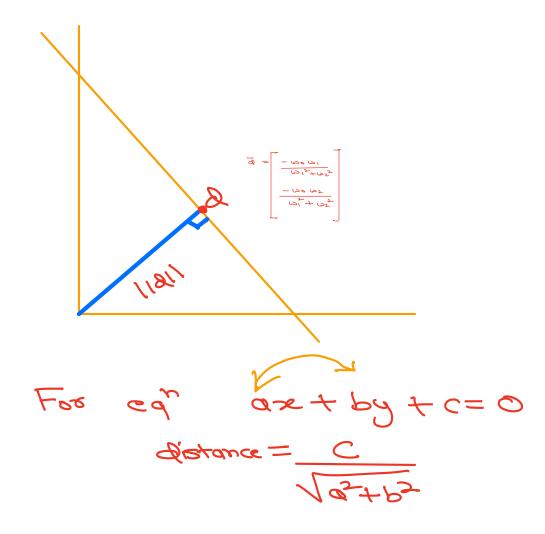
x · Z

Shigting lines



(21, 4a) + (22(x2+b) + (20=0) (21, 1, + (21a+ (22x2+ (2b+100)) (21, 1, + (22x2=(20-2)1a-12b)

Distance between origin and Line



||a|| = 2.000 Ristare
||w||
We gative

$$\frac{1}{3} = \frac{-300}{312}$$

$$\frac{-3002}{312}$$

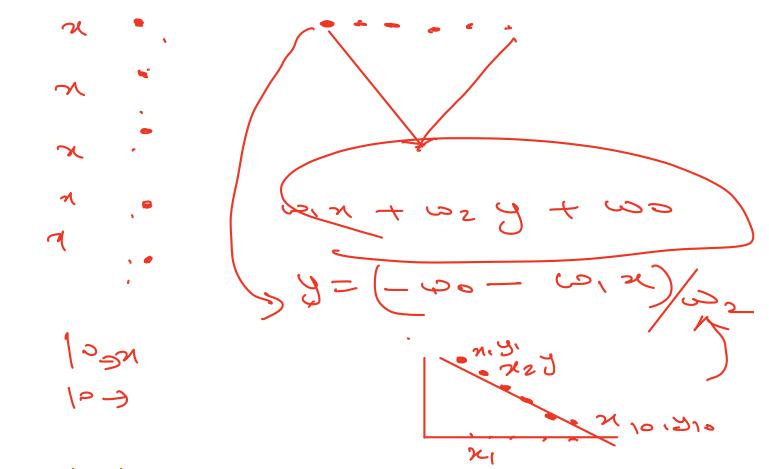
$$\frac{-3002}{312}$$

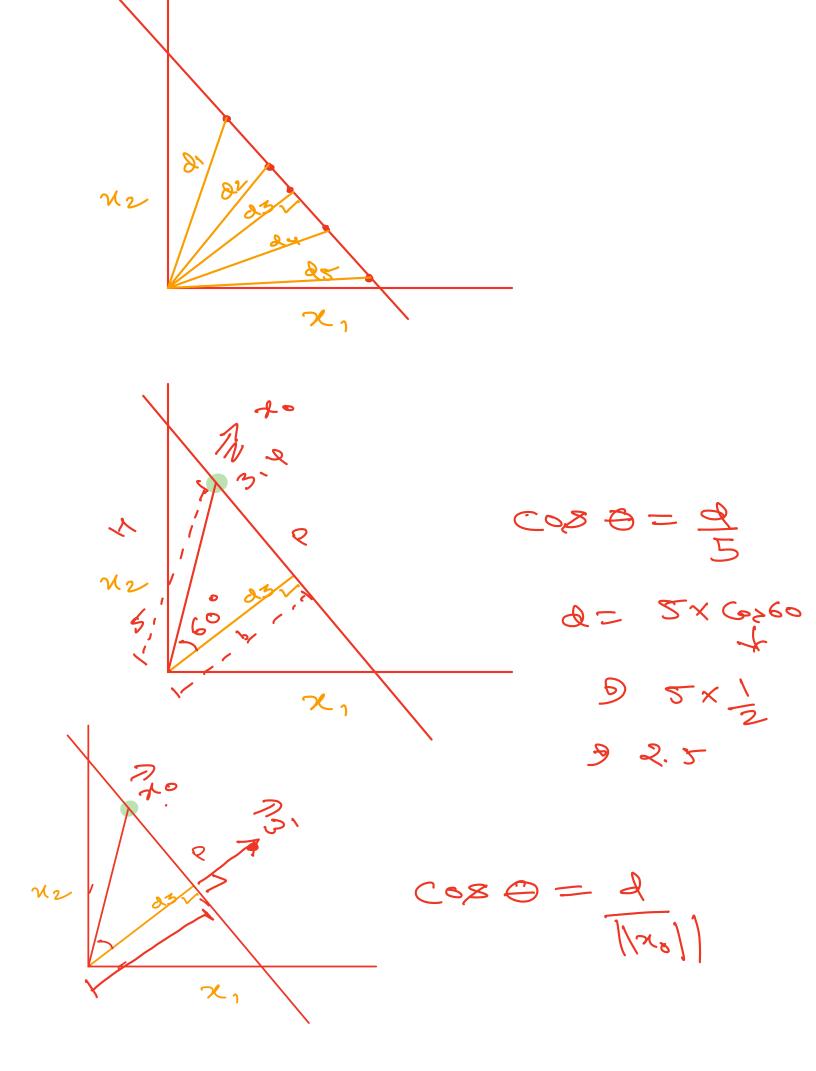
Distance between point and Line

$$qx + by + c = 0$$

$$(x_1, y_1)$$

$$a = \frac{|a_{x_1} + b_{y_1} + c|}{\sqrt{a^2 + b^2}}$$





2, + 62×2+ 600 =0

5 x + 5 = 0

 $\frac{1}{||\omega||} = \Theta \otimes OO$

a) (5720) -> Using 3

 $\frac{2x+3y-4=0}{1|x|}$