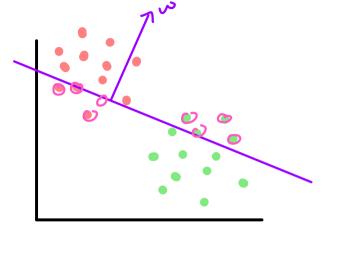
## Problem - Solving

Reception learning Algorithm Goal: find Bust line
[w, wo] Step1: Initialize a random w, wo close ~ 8 incorrect classification [mischaified Prints]



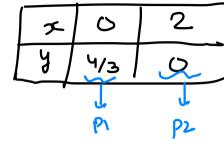
Step2: Iterate until Convergence: > till you have attent 1 misclassified.

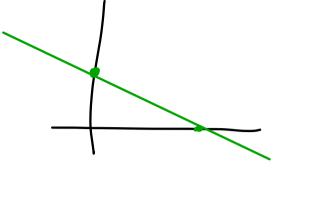
La update w & wo using!

Wnew = Wold + yeis. xcis

w = w + y (1)

I only do this for mis classified Prints.





$$\frac{1}{2} = -\frac{1}{2} = 0$$

$$\frac{1}{2} = -\frac{1}{2} = 0$$

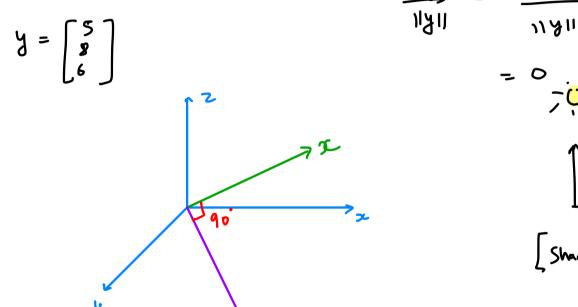
$$\frac{1}{2} = 0$$

$$\alpha = \begin{bmatrix} \frac{2}{3} \\ -\frac{3}{3} \end{bmatrix} \qquad = \alpha^{\top} \hat{y}$$

$$= 2c^{T}\vec{y} = 10 + 8 - 18$$

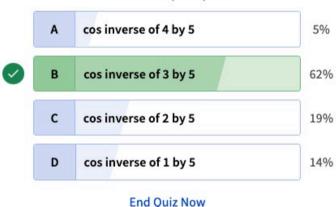
$$= 18$$

$$= 18$$



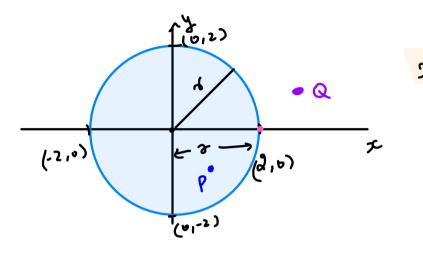
## If vector a=[3,4] and vector b=[5,0], what is the cos inverse of the angle between a and b?

21 users have participated



$$\cos \theta = \frac{a \cdot b}{\|a\| \|b\|} = \frac{15^3}{5 \cdot 5} = \frac{3}{5}$$

ircli



$$P(1,-1)$$

$$Q(3,1)$$

$$Q(3,1)$$

$$Q(3,-1)$$

$$Q(3,-1$$

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