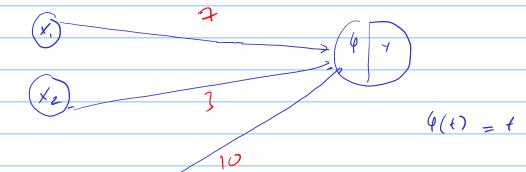
## \* Neural Networks.

1) A Graphical Presentation of Unear models

$$7 = (2 \times ) + (3 \times ) + 10$$



Input layer output layer

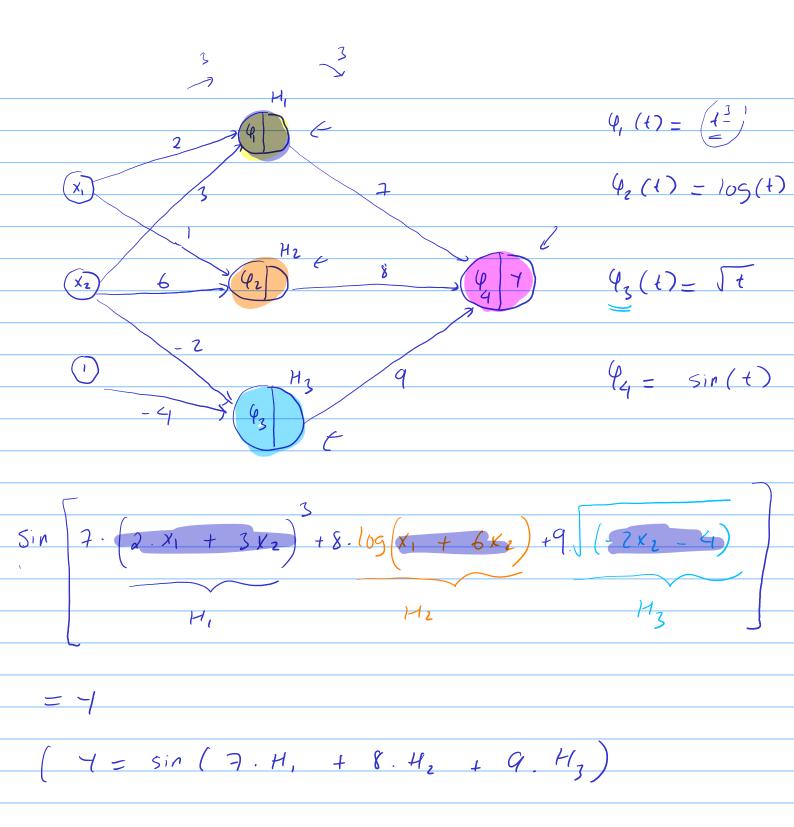


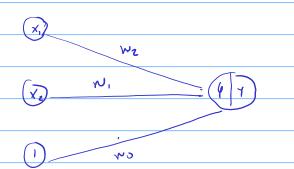
(=)  $\times 1.7 + 1.10 = 4$ 

2) A Graphical presentation of logistic Regrassions

$$7 = 9 \cdot \left(2x_{+} + 3x_{2}\right) + 6 \cdot \cos\left(4x_{+} - 3x_{2}\right)$$

$$\frac{x_{+}}{y_{+}} = \frac{1}{y_{+}} + \frac{1}{y_{+}} = \frac{1}{y_{+}} + \frac{1}{y_{+}} = \frac{1}{y_{+$$





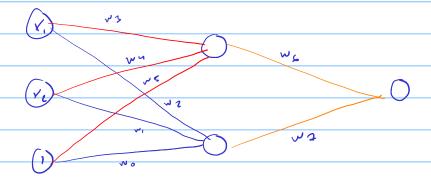
(p(+) = +

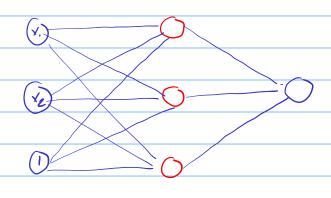
- (unticined network): 3 parameters. Training this network mans

Finding these 3 parameters.

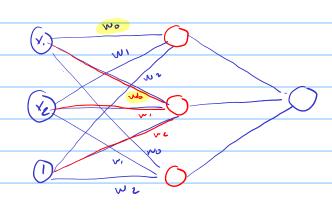
Irput layer

8 parameters





Fully connected layer (3x3 = 9 pauretus)



we can Set carditions on properly to reduce the number of percheters.

