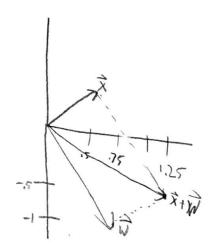
Vector and perception worksheet

$$\begin{bmatrix} .5 & .5 \end{bmatrix} \begin{bmatrix} .75 \\ [.25] \end{bmatrix} = \begin{bmatrix} .5 \cdot .75 + .5 \cdot 1, 25 \end{bmatrix} = 1$$

5)
$$\cos(\theta) = \frac{a \cdot b}{|a| |b|} = \frac{1}{\sqrt{5} \sqrt{75^2 + 1.25^2}}$$



8)



7) Prediction: continuous/numeric variables Classification: categorical target variable

V. DW=[O to ky]

W=[0.22-7 0.577 0.582]