3. (a) Let
$$\bar{X}_n = \{x_n\}$$
 $L(w,b) = \sum_{n=1}^{\infty} r_n (y_n - [b] \bar{X}_n)^2$

Assume W and X, y have ablibute m .

Let $j = 1$ to $m+1$, $\bar{W} = [b]$
 $\frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{$

