$$\frac{\partial J(\omega)}{\partial \omega} = \frac{1}{2} \underbrace{X^{T}} \underbrace{X} \omega - \frac{1}{2} \underbrace{Y^{T}} \underbrace{X} \omega + \frac{1}{2} \underbrace{W}^{T} + \frac{1}{2} \underbrace{W}^{T}$$

$$f(x) = \frac{1}{2} \frac{1}{2} - \lambda \le x \le \lambda$$

$$= \int_{-\lambda}^{\infty} \int_{$$

$$= \frac{1}{6d} \left(x^{3} \right)^{-2} = \frac{1}{3}$$

$$V_{N} \left(x \right)^{2} = E(x^{2}) - E^{2}(x)$$

$$= \frac{1}{3}$$

$$= \frac{1}$$