2.1. given bessel +rick boun =
$$\frac{1}{3} \left(\frac{1}{3} \right) \right) + \frac{1}{3} \left(\frac{1}{3} \right) \right) + \frac{1}{3} \left(\frac$$

2.2. a
$$y_n(x) = \frac{J_1(\lambda_n x)}{X}$$

$$\frac{d}{dx} \left(\frac{3}{x} \right) + \lambda^{2} \frac{3}{x} = 0$$

2.2.C

$$\hat{N} = \int_{0}^{\infty} \lambda_{x}^{2} n(x) = \int_{0}^{\infty} \left(\frac{\lambda}{\lambda} \left(\frac{\lambda}{\lambda} \right) \right)^{2} n(x)$$

$$Q_{\infty} = \underbrace{\hat{Q}_{n} Y_{n}}_{\hat{N}_{n}}$$