Assignment

Your Name

January 11, 2022

Question 1

$$\text{Hamiltonian:} \quad \hat{H} = -\frac{h^2}{2m}\frac{d^3}{dx^2} + V_{(x)}$$

$$V_{(x)} = \begin{cases} 0, & \text{if } 0 \leq x \leq L \\ \infty, & \text{if } x < 0 \text{ or } x > L \end{cases}$$

Question 2

$$y = ax + b$$