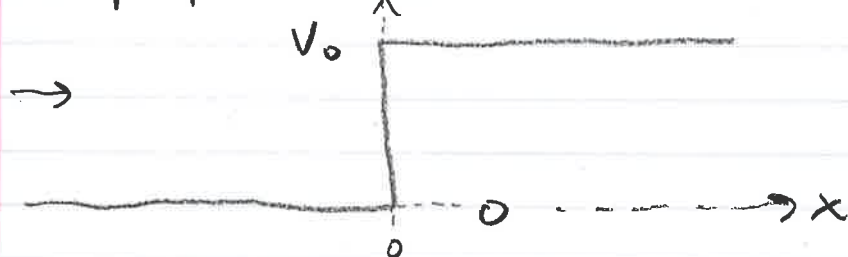


Kwik Questions

1. What are the position space representations of the eigenstates of \hat{L}^2 and \hat{L}_z ?

2. Quantum objects are sent toward a step potential as follows with $E < V_0$.



Which of the following are true?

A) the transmission coefficient is zero

B) the probability to make it to $x > 0$ is zero

C) the reflection coefficient is zero

3. Is $|+\hbar, -\hbar\rangle$ an eigenstate of the exchange operator?