

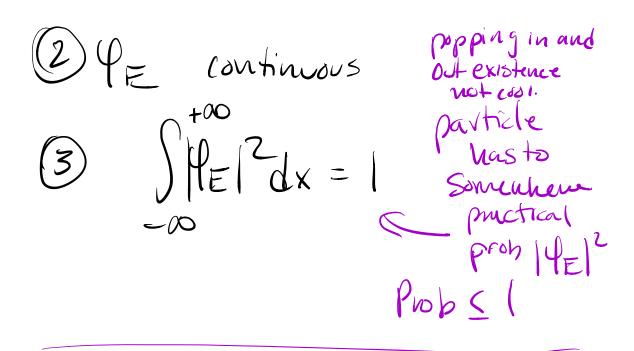
(in the well)

$$-\frac{\hbar^2}{2m}\frac{d^2}{dx^2}\Psi_E(x) = E\Psi_E(x)$$

$$\frac{d^2}{dx^2} \Psi_E(x) = -2mE + \frac{1}{2} \Psi_E(x)$$
The Sq. Well

$$\begin{array}{ll}
\text{(D)} & \frac{2m(E-V_0)}{h^2} < 0 & E < V_0 \\
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3 B.C.s DIPE/dx continuous AxE walls infinite infinite infinite



katan(ka) = ga

! Non seperable or nonlinear
Combinations

Solutions?

>> rost finding (newton/smethod) f(E) = g(E) - h(E)A roots

=> faylor expand around
root?

3) graphing à zooming in