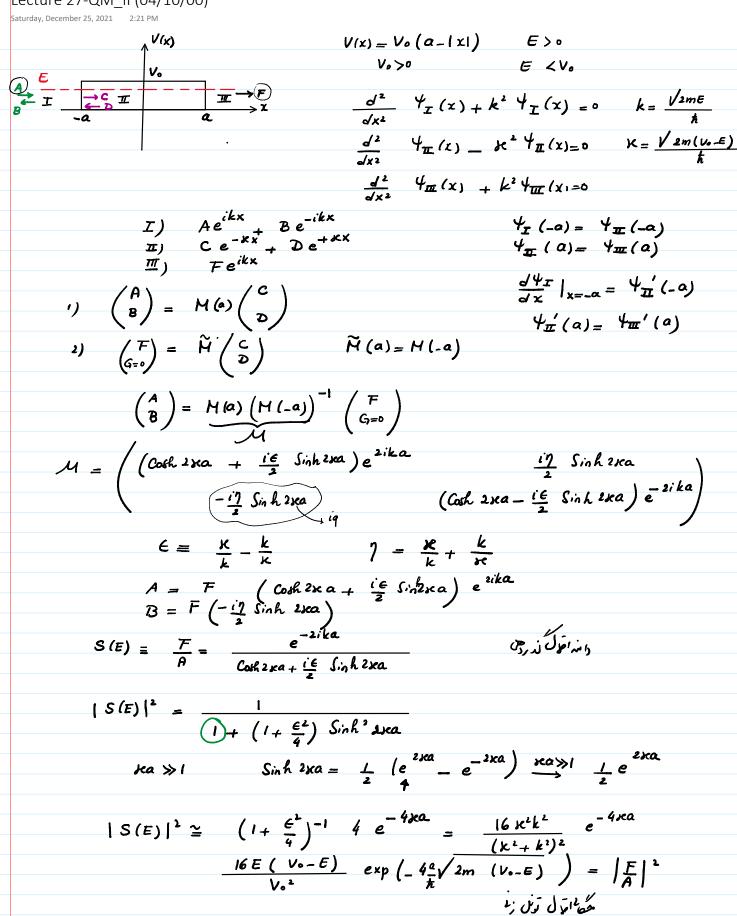
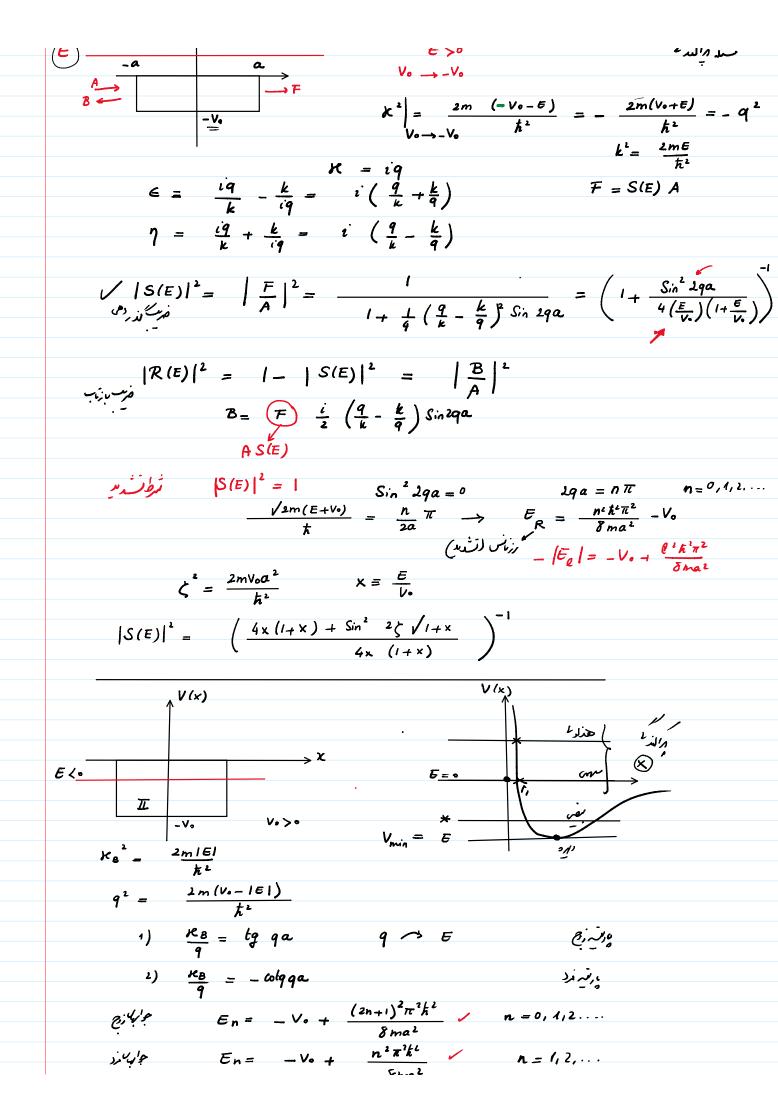
Lecture 27-QM II (04/10/00)



 $V(x) = -V_0 \theta(\alpha - |x|)$ $V(x) = -V_0 \theta(\alpha - |x|)$



8 ma2 $F_{n} = -V_{0} + \frac{n^{2}\pi^{2}k^{2}}{8ma^{2}} \qquad n = 1/2, ...$ $q_{0} = \sqrt{(l+1)\frac{\pi}{2}} \rightarrow -\frac{1E_{0} - V_{0} + \frac{l^{2}\pi^{2}k^{2}}{8ma^{2}}}{l = 0/4/2...}$ $\frac{l}{\sqrt{l}} = 0/4/2...$ $\frac{l}{\sqrt{l}} = 0/4/2...$ $\frac{l}{\sqrt{l}} = 0/4/2...$. تسحه ۲ :