Homework 7, pt. 1

1. Find at least one bound state for the symmetric triangular-shaped potential well of depth $V_0 = -83\,\text{MeV}$ and overall width $2a = 4\,\text{fm}$. This well is similar to the one we examined in class. See lecture 16 slides for a sketch. Also plot the shape of the corresponding wave function $\psi(x)$. Include source code and plot in your answer file.