

Worksheet #17

(Monday, November 13, 2023)

Name**Questions (5 pts):**

Consider a particle in a 1D potential described by $V(x)$ shown in figure below.

What energy spectra, discrete or continuous, are expected for a particle moving in $V(x)$, depending on the energy?. (Some energy regions of interest are labelled.) Sketch the behavior of wavefunctions in each case with as much detail as you can.

