

Phys 651

Fall 2023

**Worksheet #22**

(Wednesday, December 6, 2023)

**Name**

**Question (5 pts):**

Use the WKB approximation to calculate the energy levels of a particle of mass  $m$  moving in a 1D box with walls at  $x = 0$  and  $x = L$ . How does your result compare to the exact result obtained from the Schrodinger equation?