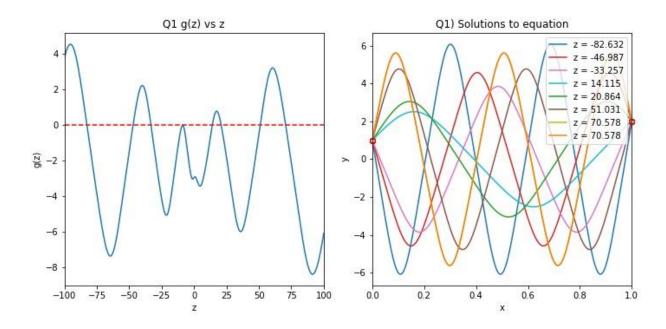
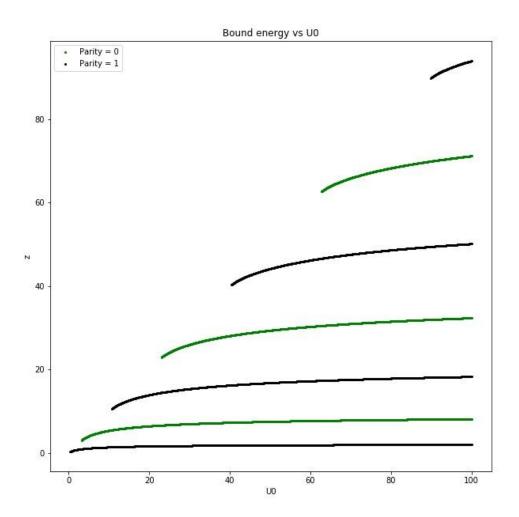
## Phys 305 HW 5 Christopher Morris

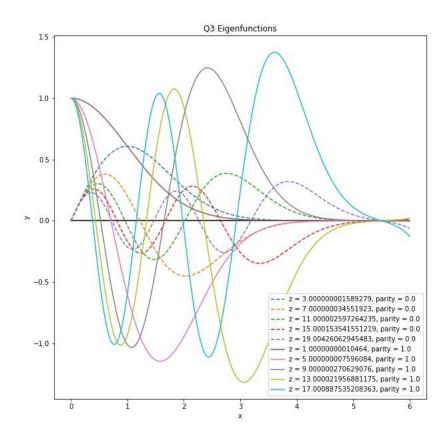
1)



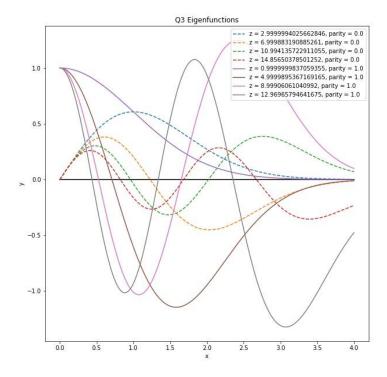
Root at = -82.63173243106135Root at = -46.987081631668495Root at = -33.257474369147985Root at = 14.11540741190338Root at = 20.863833750358022Root at = 51.030621219548046Root at = 70.578037319942



## For x0 = 6



## For x0 = 4



## Discussion:

The number of eigenvalues decreased by 2 (one for each parity). The eigenvalues essentially remained the same; however, the greatest most eigenvalues were no longer solutions. The Eigen functions of the remaining eigenvalues essentially remain the same.

