1. There is a singularity when z = R, this doesn’t cause any problems for quad but my adaptive integration function encounters a NaN when it gets the value of the function at x = R which makes it unable to produce an answer and it recurs indefinitely
2. The integrator we wrote in class calls the function 5 times at each step whereas mine calls it 3 times at the very beginning and then 2 times at each step so my integrator uses less than half the number of function calls