Roblem 3

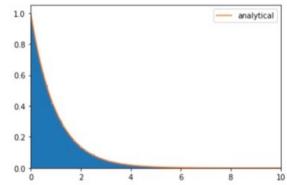
We define a region given by (U,V) where $0 \le u \le \sqrt{PDF(V/u)}$ Bounds on V as given by:

V-min = min (x * PDF(x)) -> what I did in my code V-max = mex(x * PDF(x))

Thix yielded, V-min = 2.67×10-109 V-max = 1

Efficiency for this method was ~50% efficient.

Graph 1: Histograph of deviales compared to exponential.



From graph 1, we see that this still produces the correct onsurer.