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Code for 1:

n=10000

x=runif(n)

#hw1

sum1=0

for(i in x){

sum1=sum1+exp(i)

}

#hw1\_answer

sum1/n

answer:

1.7089

Code for 2:

#hw2

sum2=0

y=runif(n)

for(i in y){

sum2=sum2+(1/(i^2))\*exp(-(1/i-1)^2)

}

#hw2\_answer

2\*(sum2/n)

answer:

1.757926