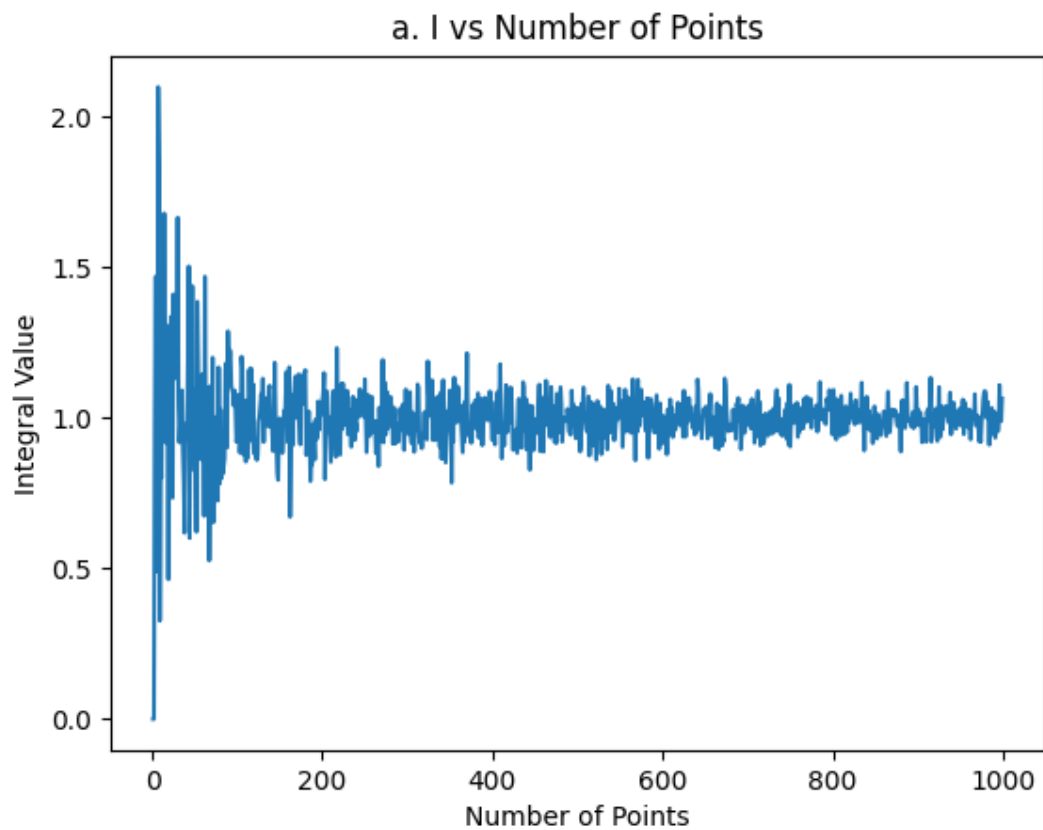


Question 6 - Report

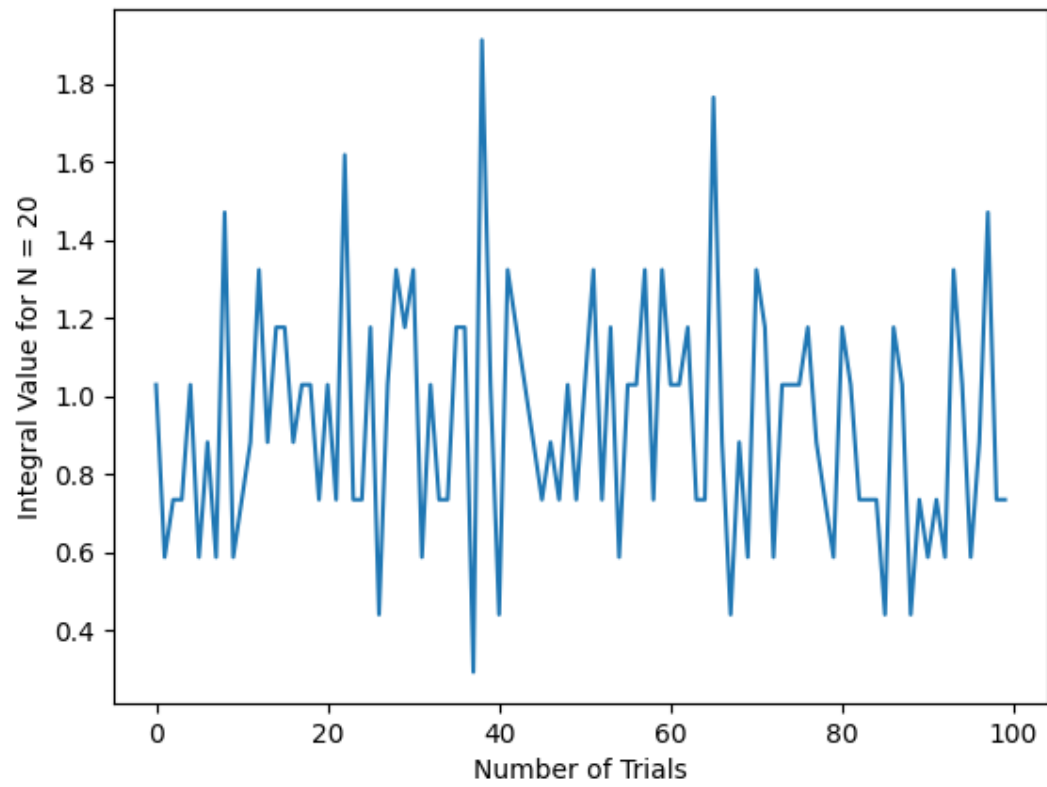
Integrals solved using Monte Carlo method

Part 1:

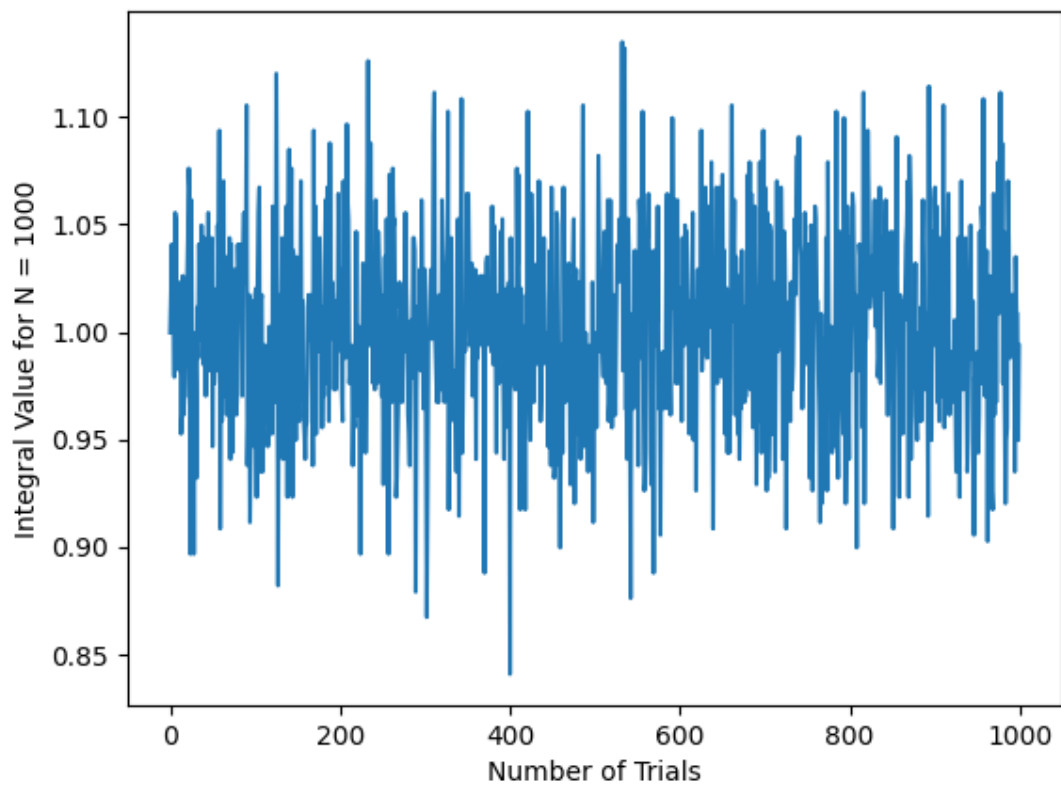
corresponds to equation $\int_0^1 3x^2 dx$



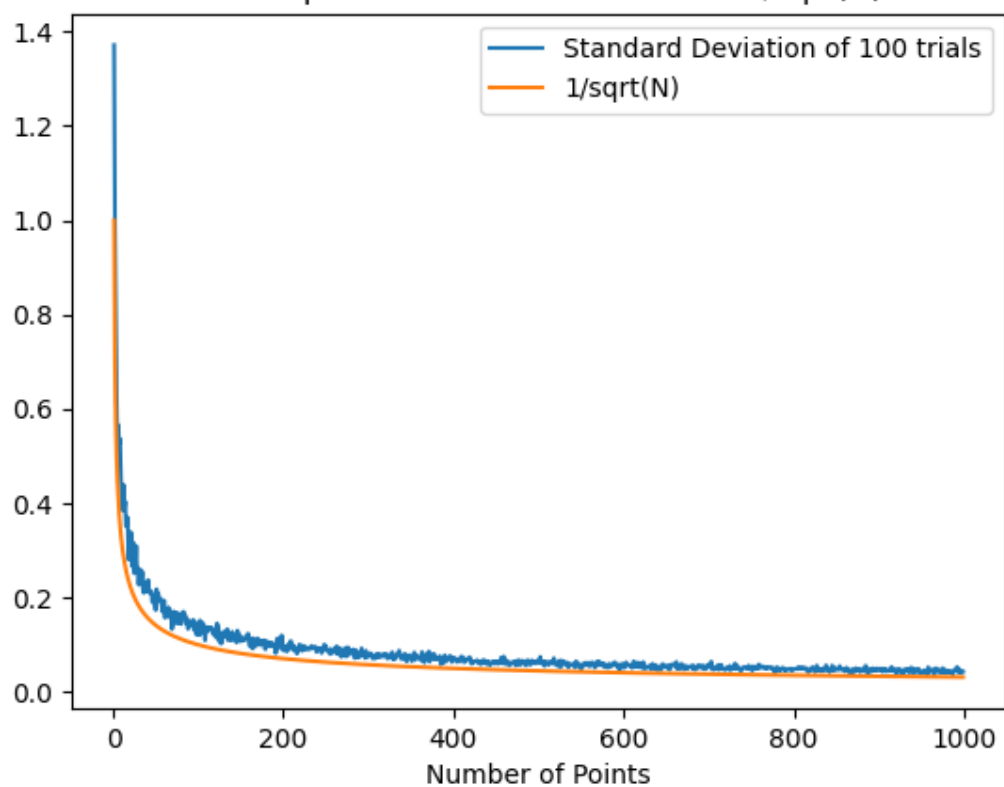
b. I vs trials(N=20)



c. I vs trials (N=1000)

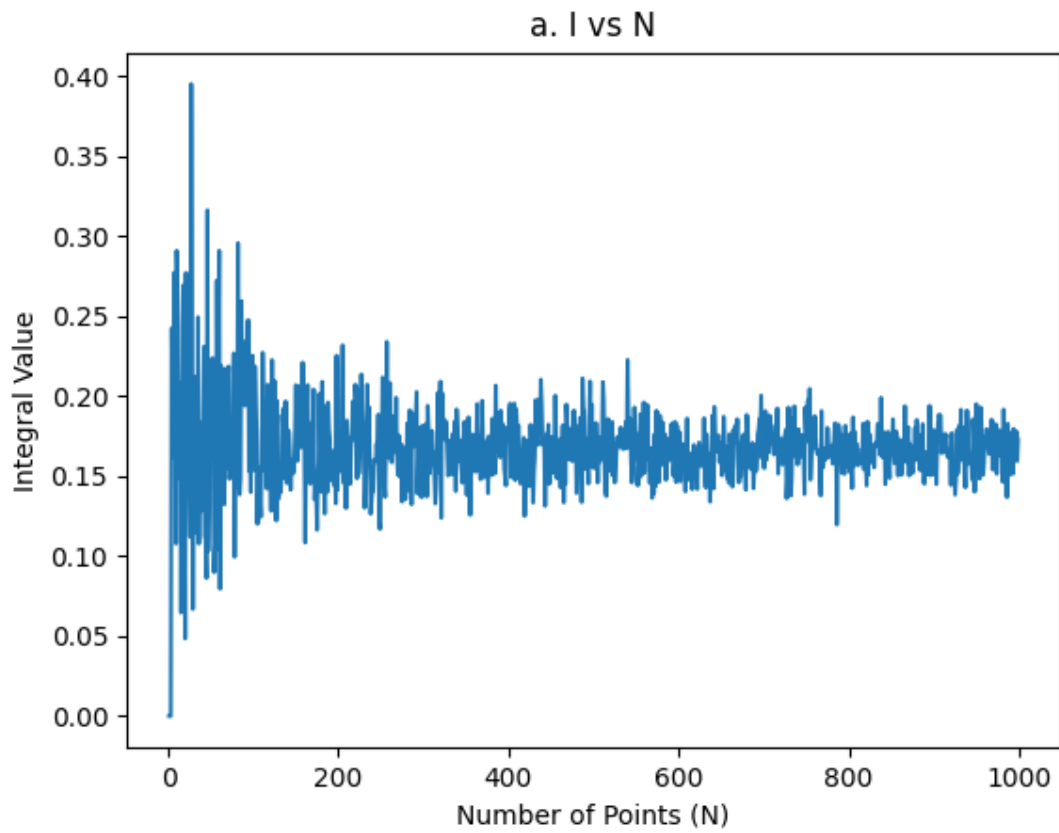


d. Comparison of Monte Carlo with $1/\sqrt{N}$

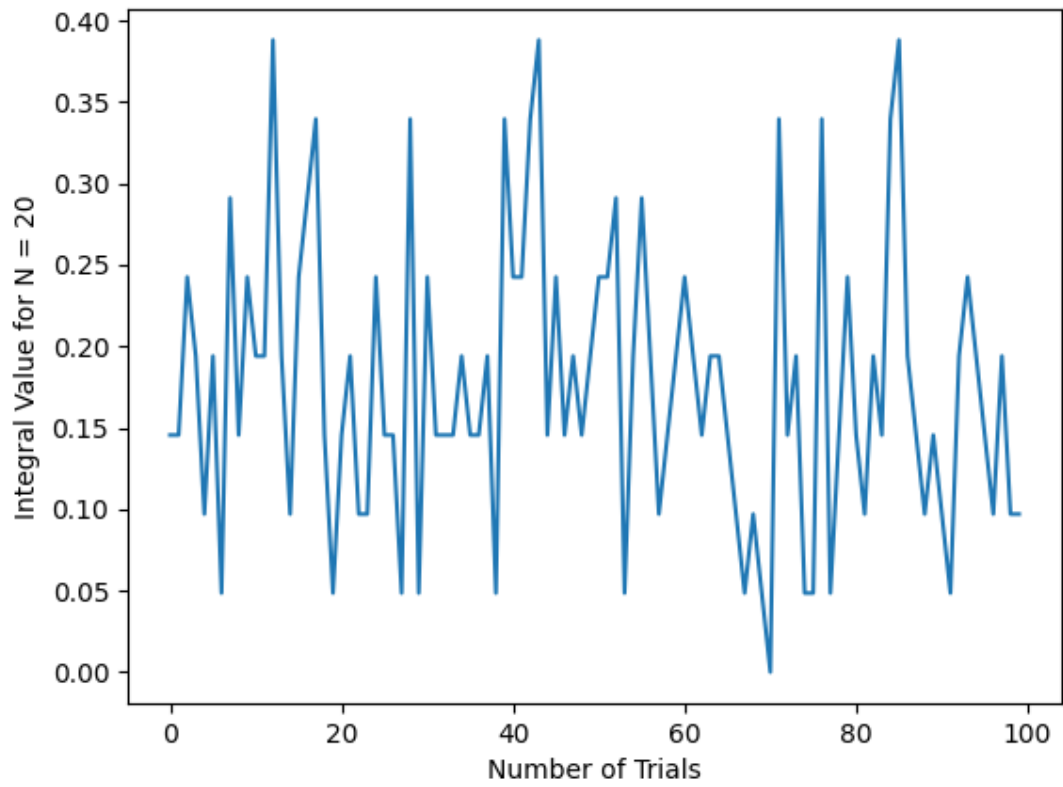


Part 2

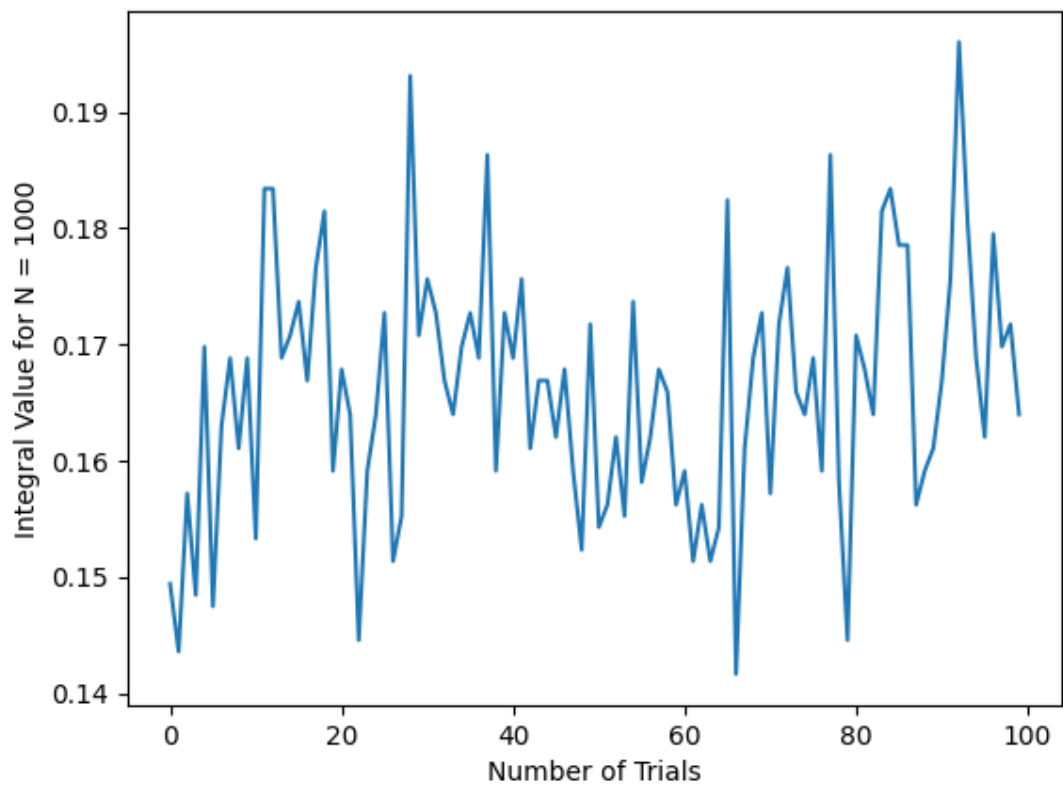
corresponds to equation $\int_0^1 \int_0^1 x^2 y dx dy$



b. I vs trials (N=20)



c. I vs trials (N=1000)



d. Comparison of Monte Carlo with $1/\sqrt{N}$

