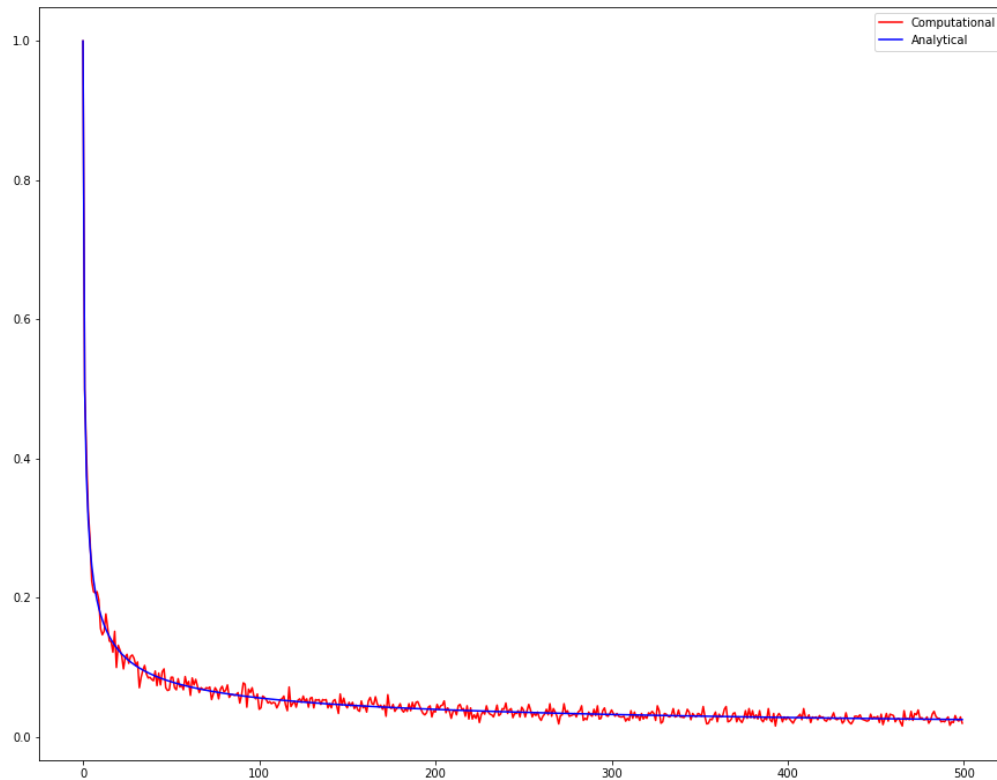
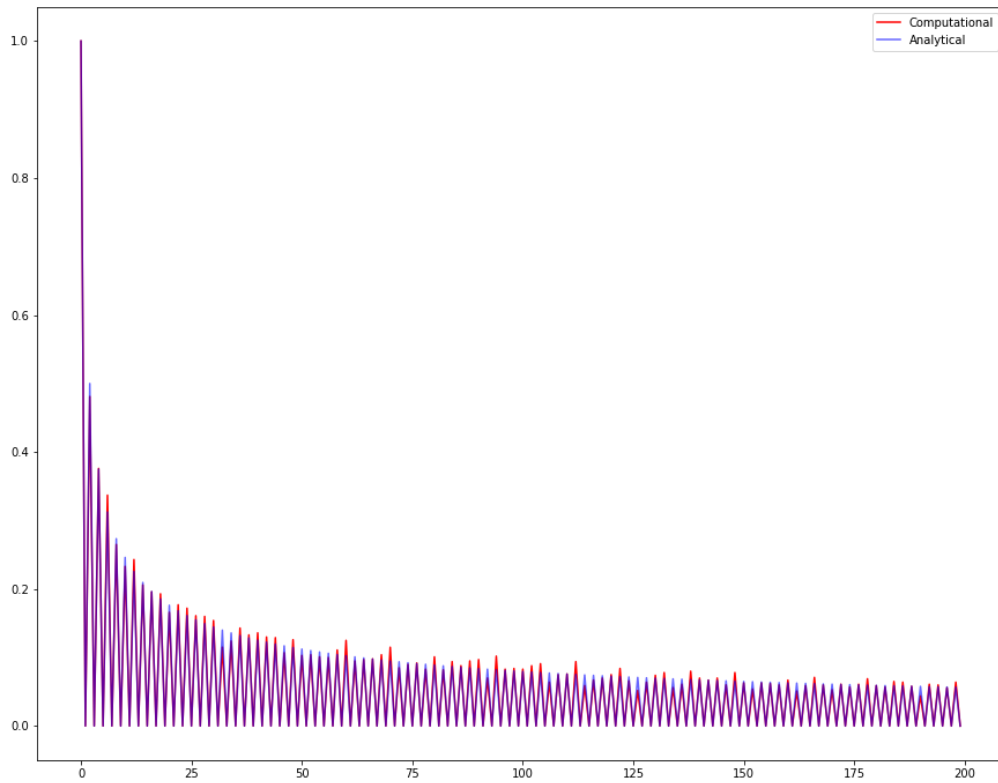


# Question 1

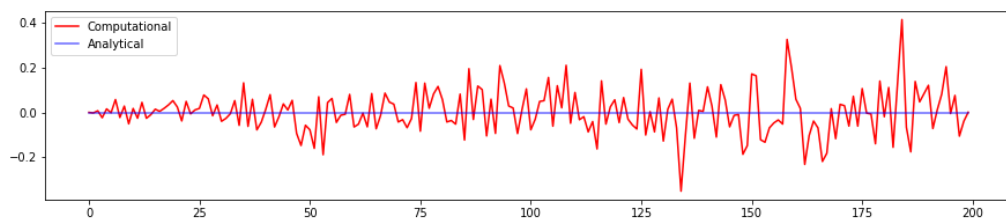
Probability of meeting after  $n$  steps ( $P$  vs  $n$ ):



Probability of ending up at origin after  $n$  steps ( $P$  vs  $n$ ):



**Mean Displacement of the Drunk(Random Walk):( $\langle X \rangle$  vs  $n$ )**



## Mean Displacement of the Drunk(Random Walk): ( $\langle X^2 \rangle$ vs $n$ )

