

## Question 2 - Report

Pi is calculated by randomly selecting values of x and y, both between -1 and 1 and checking if their distance from origin is  $\leq 1$ . If yes, then count of circle points is increased.

Finally pi is calculated as:

$$\pi = 4 * \text{count} / (N^2)$$

This process is repeated for multiple values of N and we observe that as the interval increases, the value of pi gets closer and closer to 3.14.

