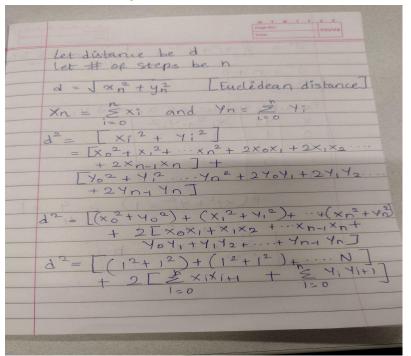
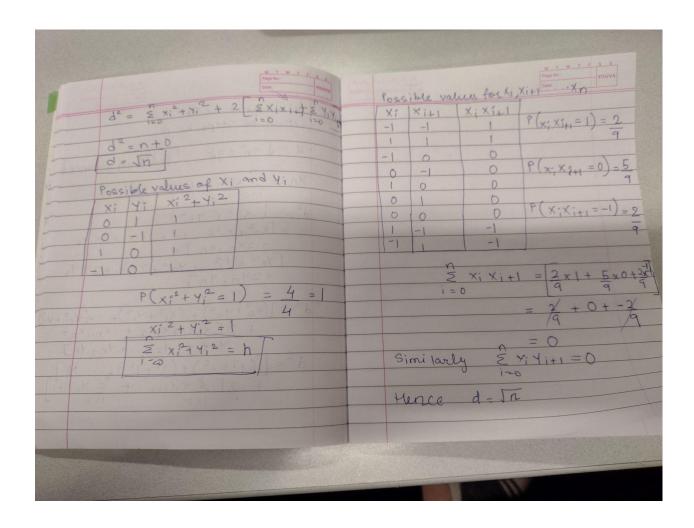
Riddhi Bhatti | NUID: 001502713

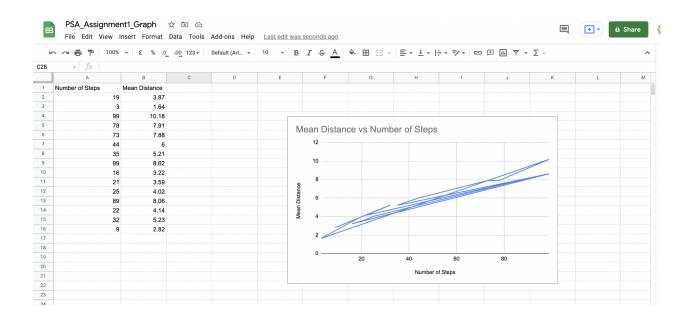
Program Structures & Algorithms Fall 2021 Assignment 1

- 1. Tasks Performed in the Assignment:
 - a. Implemented the code for mentioned methods
 - b. Ran the experiment for 15 different values of steps (n) and ran each step more than 20 times to increase confidence
 - c. Plotted the values of d and n on line chart using google sheets
 - d. Deduce the relationship between the mean distance (d) and number of steps (n)
 - e. Ensured that all the test cases ran successfully
- 2. Relationship conclusion: $d = \sqrt{n}$





3. Evidence to support conclusion



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