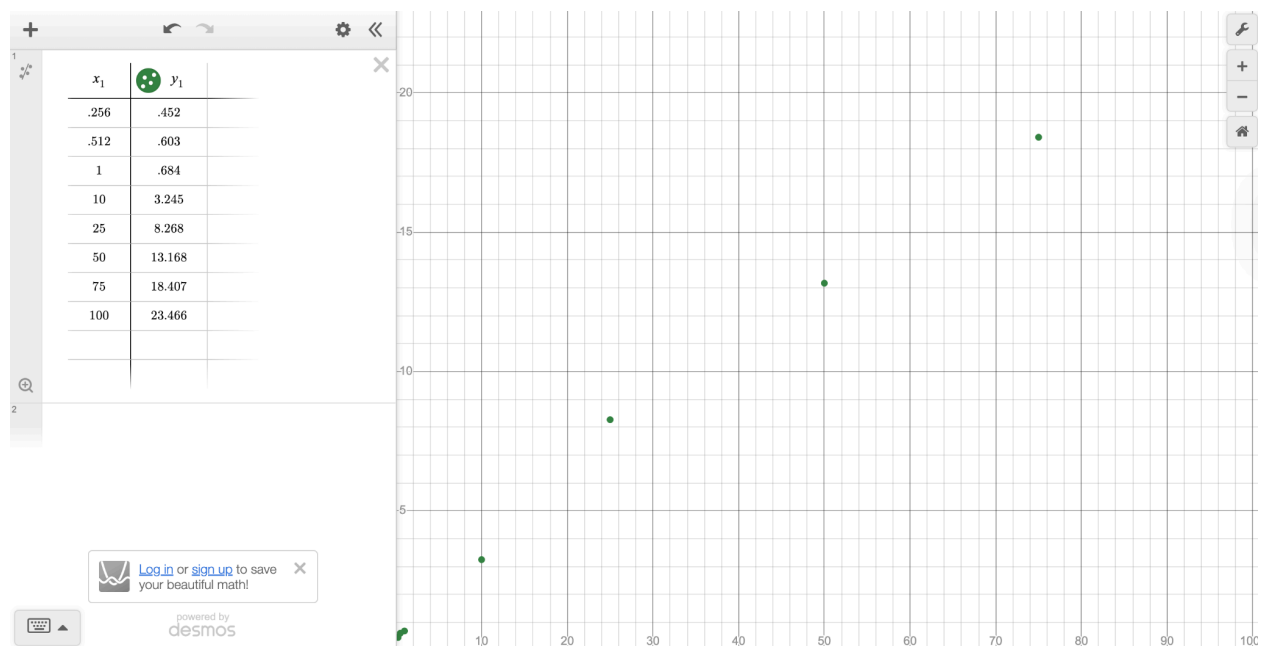Bryson Tran
Dr. Sandeep Kumar
CSCE 331
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Comparing the received file with the original file, I noticed that the received file and the original one were identical. This was done using the diff Linux command. I also measured different file sizes and how long it took to transfer their data to a test bin, which can be in a table shown below in MB.

Execution time (s) vs File size (MB)



The transfer time increases rapidly from 1MB to 10MB, and then the slope decreases as file size increases after. The trend appears to be a square root curve, starting at 1MB. The reason for the slope decreasing when filesize increases at this point is because of the main bottleneck. The main bottleneck is the pipe that is used for the client and server for file transferring. It no longer becomes a CPU issue, it has to do with the message capacity. Each chunk that is being transferred is being limited by the message capacity.