## **2DX4: Microprocessor System PreLab 6**

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As a future member of the engineering profession, the student is responsible for performing the required work in an honest manner, without plagiarism and cheating. Submitting this work with my name and student number is a statement and understanding that this work is our own and adheres to the Academic Integrity Policy of McMaster University and the Code of Conduct of the Professional Engineers of Ontario. Submitted by [Junbo Wang wangj430 400249823]

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1.

36 steps/rotation \* 10 ms/steps = 360 ms/ rotation Motor speed = 1 rotations / 360 ms/rotation = 1/360 rotations / ms = 166.67 RPM

2.

Delay per step = 1/200 rotations/step \* 1/60 min/rotations = 1/12000 min/step =  $60*10^3/12000$  ms/step = 5 ms/step.

