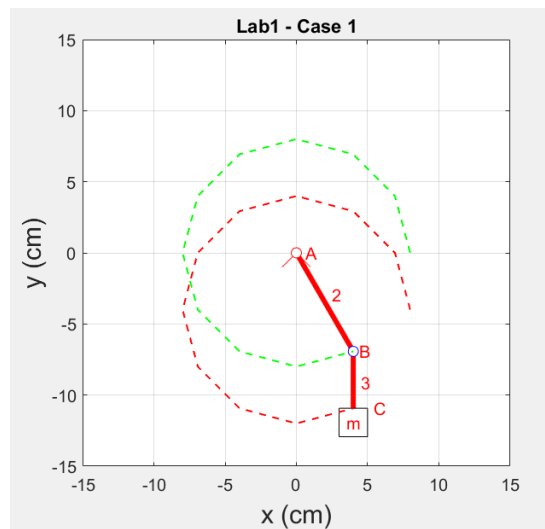**MIE301 – Lab 1: Calculating Mechanism Properties**
REPORT

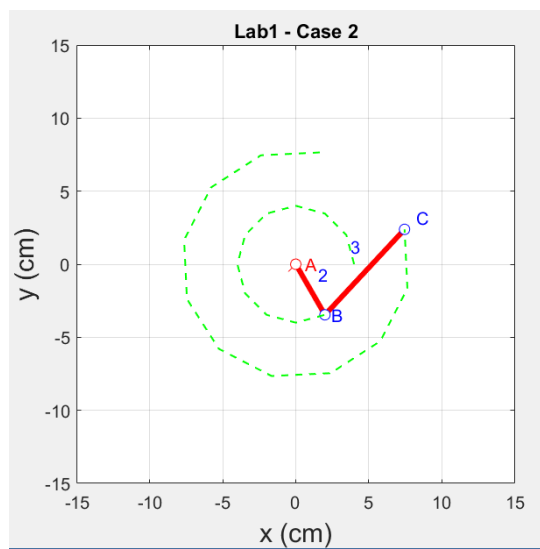| Name: Naeem Naqvi	Section Date: Oct 6 (Due)
Student number: 1006980073	Submission date: Oct 1

Note:

1. Images size and positions are for reference only.
2. For each question, you can also combine subplots in a single figure in MATLAB directly.
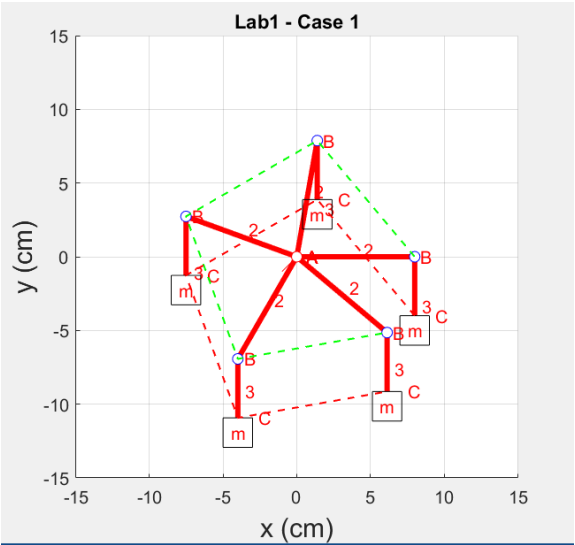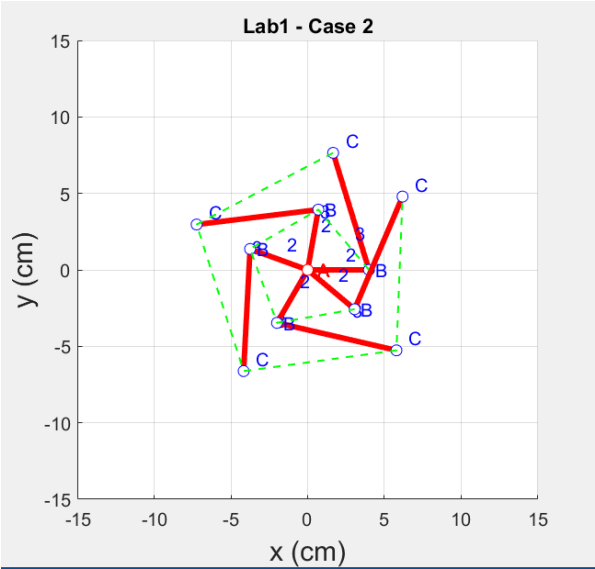3. Make sure all the figures are clearly titled and labelled.
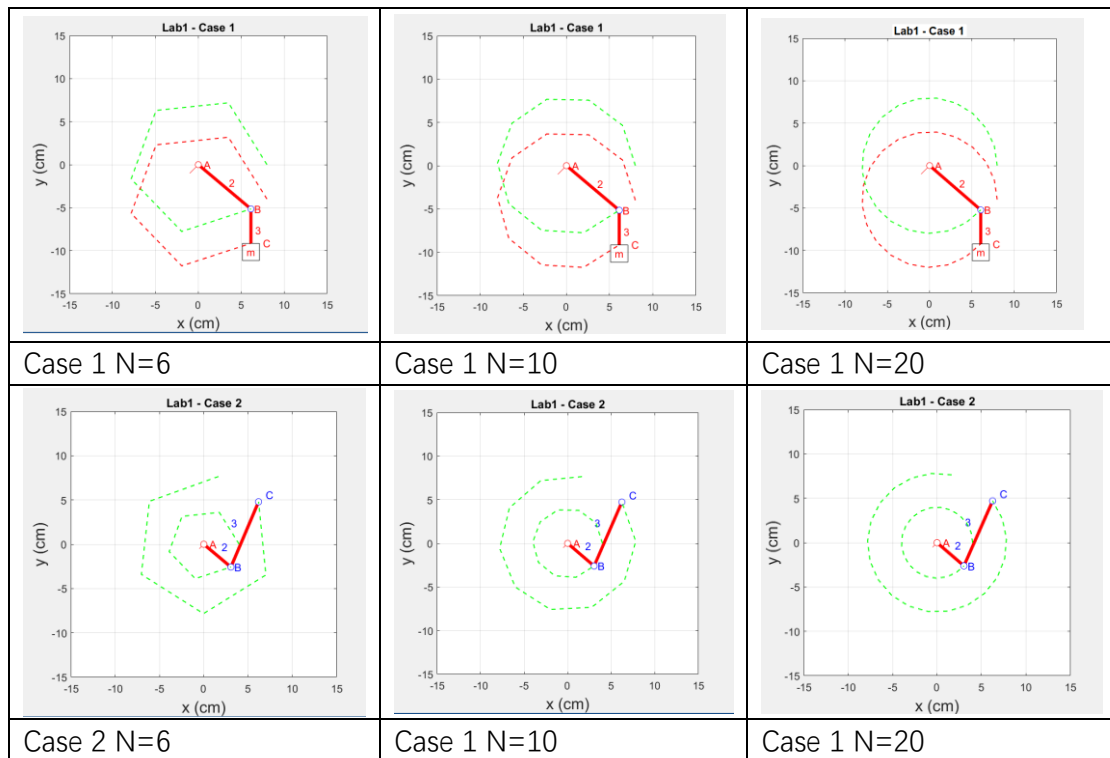
Part a:

Case 1

Case 2

Part B)

Case 1

Case 2

Case 1 N=6	Case 1 N=10	Case 1 N=20
Case 2 N=6	Case 1 N=10	Case 1 N=20

The path of motion becomes clear after about 10 points. This is because polygons with more than 10 sides tend to be less common than circles.

d) The paths are circular arcs.

e) If the angle between the two links is t, then:

$$Sin(Theta\_2) = Cos(t)$$