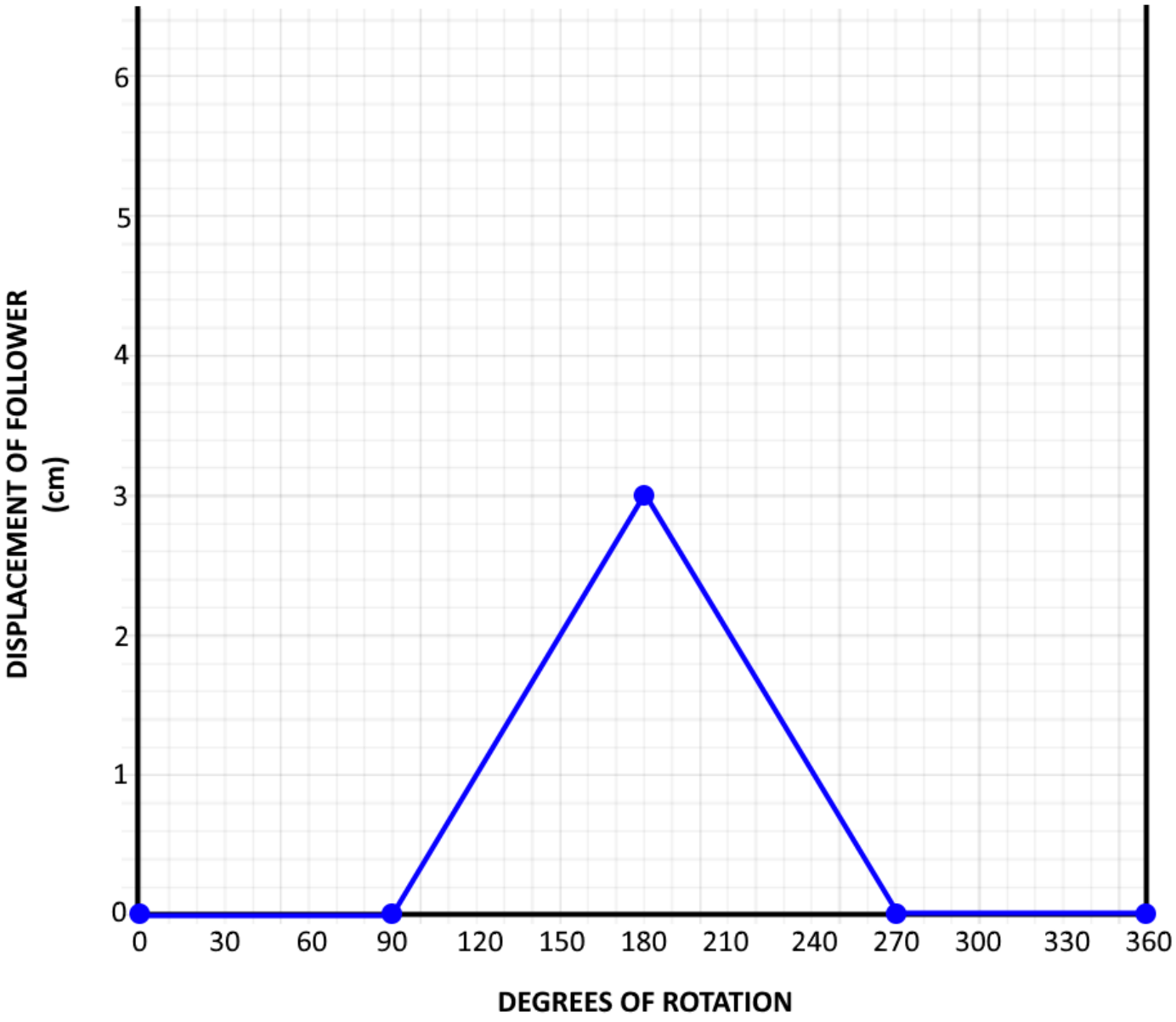
CAM & FOLLOWER MECHANISM ASSIGNMENT

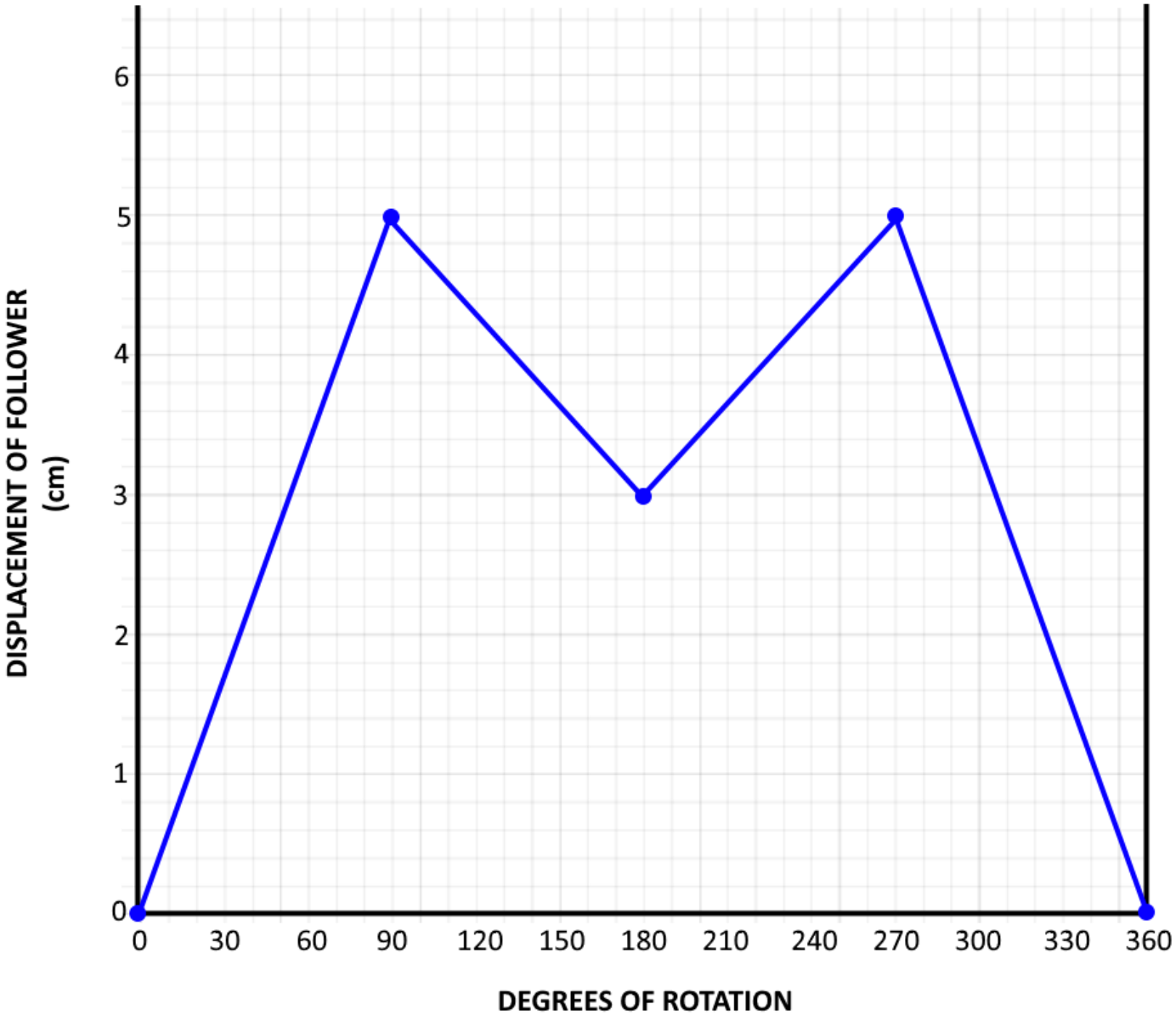
PROBLEM #1

Consider the displacement graph below. It shows the linear displacement of the follower compared to the rotation angle of the cam. When the follower is at its closest to the cam's shaft, it is 3cm away. Use a degree line diagram to create a profile of the cam. Assume the cam rotates clockwise.



PROBLEM #2

Consider the displacement graph below. It shows the linear displacement of the follower compared to the rotation angle of the cam. When the follower is at its closest to the cam's shaft, it is 4cm away. Use a degree line diagram to create a profile of the cam. Assume the cam rotates clockwise.



PROBLEM #3

Consider the displacement graph below. It shows the linear displacement of the follower compared to the rotation angle of the cam. When the follower is at its closest to the cam's shaft, it is 3cm away. Use a degree line diagram to create a profile of the cam. Assume the cam rotates clockwise.