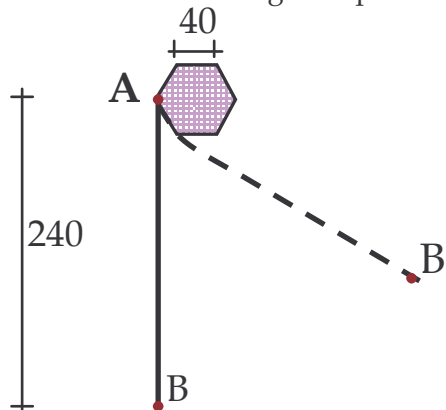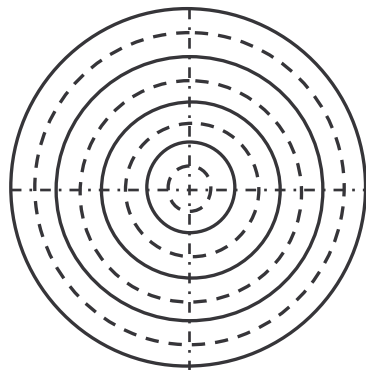*Homework No. 2*
Drawing Basics

Question 1

Draw the curve traced by Point B at the end of a taut cord winding on around a regular hexagon of side 40mm (Figure 1). The cord is attached to the hexagon at point A and length of taut cord AB is 240mm.
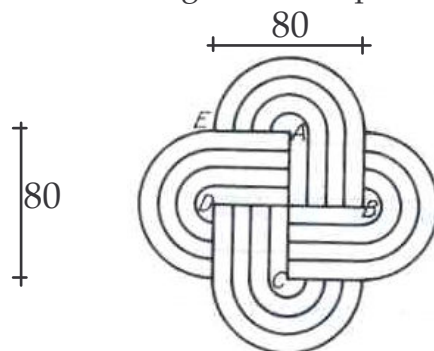

Question 2

Draw eight concentric circles 6mm apart, with the smallest one (of diameter 10mm) being drawn first.

Question 3

Draw the loop ornament shown. AE is divided into 4 equal spaces. Semi-circles are drawn with centers at A, B, C and D. The figure is completed by drawing horizontal and vertical tangents.

Question 4

Find the approximate length of an arc of a circle (radius 50mm; subtending an angle of 60º at the center).

Question 5

Draw a symmetric parabola of 80mm rise and 100mm span.