CYCLOID
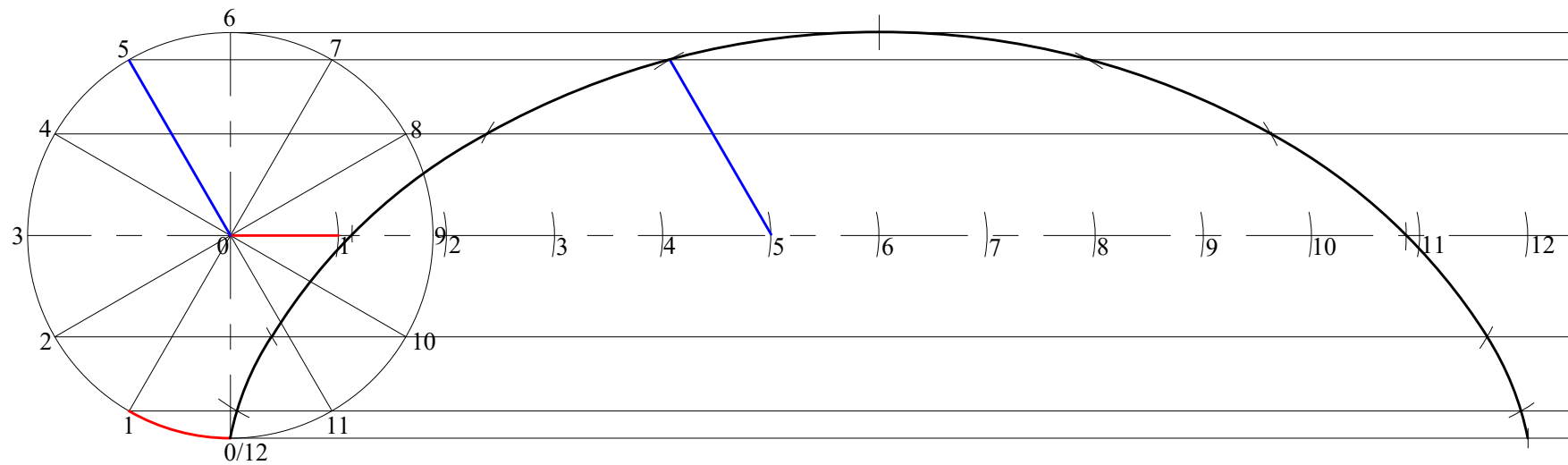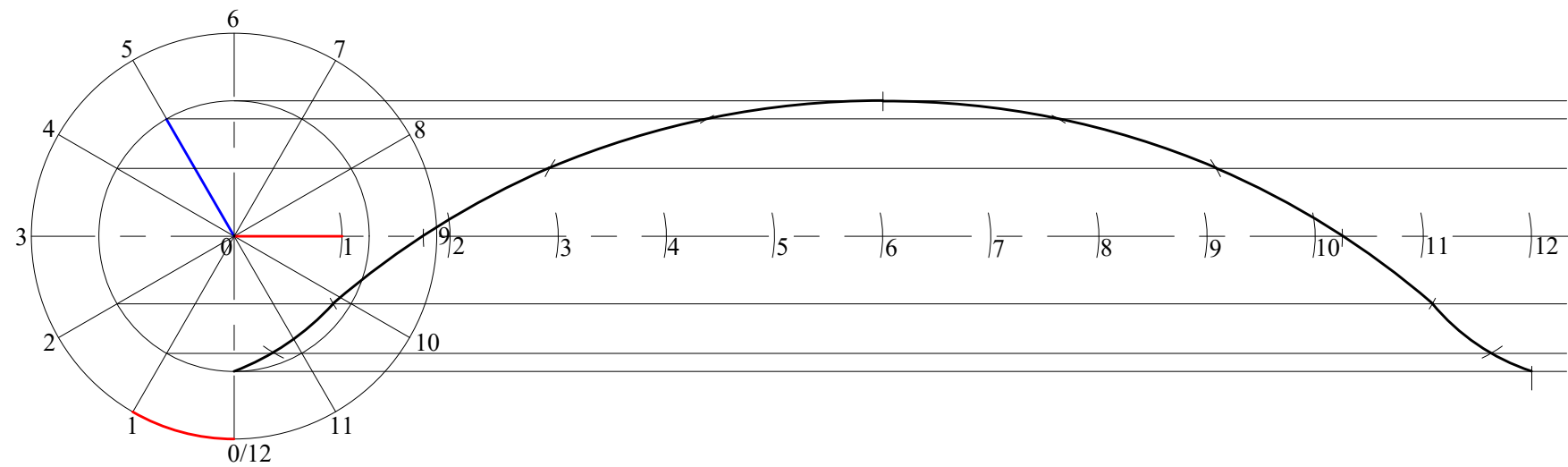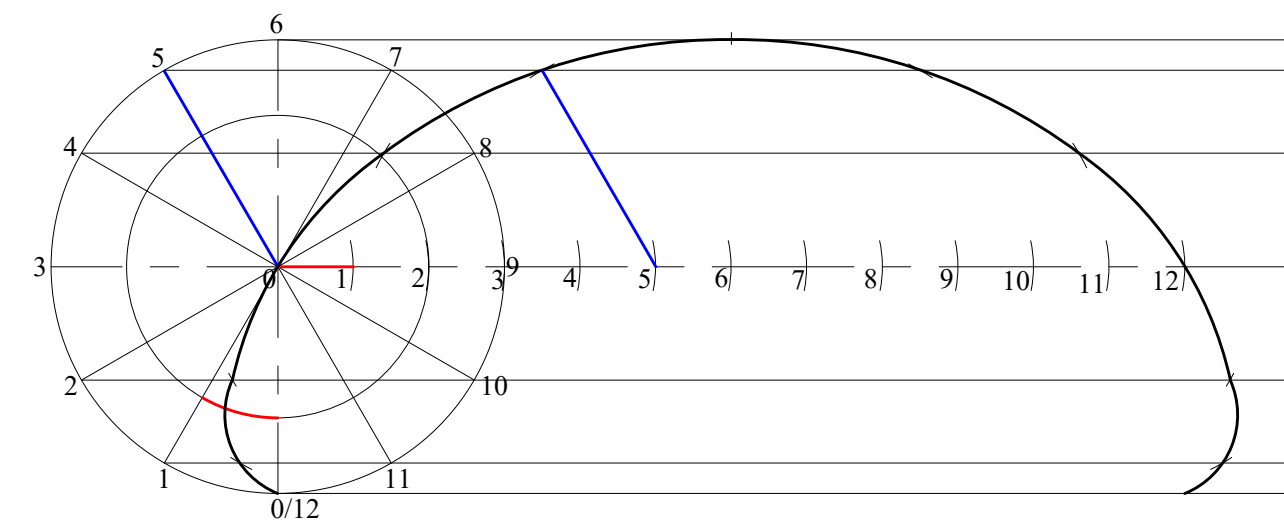
Step 1: Divide the circle into 12 equal parts using 30/60 degrees.
Step 2: Draw faint lines from each point on the circle.
Step 3: Take the size of one sector using your compass and mark it for 12 times on the centre line.
Step 4: Strike an arc with the radius of the circle from each mark on the centre line onto the faint lines drawn in step 2
Step 5: Join the marks using freehand drawing

INFERIOR TROCHOID

Step 1: Draw faint lines from the small circle this time
Step 2: Measure one sector from the larger circle and mark it for 12 times on the centre line.
Step 3: Take the radius of the smaller circle and strike an arc from each mark on the number line on each line respectively.
Step 4: Join the marks with a freehand curve.

SUPERIOR TROCHOID

Step 1: Draw faint lines from the large circle
Step 2: Measure one sector from the smaller circle and mark it for 12 times on the centre line.
Step 3: Take the radius of the larger circle and strike an arc from each mark on the number line on each line respectively
Step 4: Join the marks with a freehand curve.