```
Display () {
X \leftarrow 0
Y \leftarrow 0
#user input
d = int(input(" Enter d value: "))
smallRadius = int(input(" Enter r value: "))
bigRadius = int(input(" Enter R value: "))
radianConvert = math.pi/180
newDistance = d * radianConvert
newSmallRadius = smallRadius * radianConvert
newBigRadius = bigRadius * radianConvert
#Calculate theta
C = (2 * math.pi * LCM(smallRadius, bigRadius) / bigRadius))
A = 0.0
glBegin
While (A < C) {
       nX = (newSmallRadius - newBigRadius) * cos(A) + newDistance * cos(newSmallRadius)
- newBigRadius) / (newBigRadius)) * A
       nY = (newSmallRadius - newBigRadius) * sin(A) + newDistance * sin(newSmallRadius
- newBigRadius) / (newBigRadius)) * A
       y = nY
       x = nX
       glVertex2f(x, y)
       A += 0.5
glEND()
glFlush()
}
```