Q6. Code to generate Coordinates for Spirograph

var R=8, r=1, a=4;

var x0=R+r-a, y0=0;

var cos=Math.cos, sin=Math.sin, pi=Math.PI, nRev=16;

for(var t=0.0; t < (pi\*nRev); t+=0.01)

{

var x = (R+r)\*cos((r/R)\*t) - a\*cos((1+r/R)\*t);

var y = (R+r)\*sin((r/R)\*t) - a\*sin((1+r/R)\*t);

var coords = ((-118.1703+x/10000)+','+(34.0109+y/10000)+',17');

console.log(coords);

}