$x = (R+r)\cos\frac{rt}{R} - c\cos\frac{(R+r)t}{R},\ y = (R+r)\sin\frac{rt}{R} - c\sin\frac{(R+r)t}{R},\ t\in R.$

$x = (R+r)\cos\varphi - c\cos\frac{(R+r)\varphi}{r},\ y = (R+r)\sin\varphi - c\sin\frac{(R+r)\varphi}{r},\ \varphi\in R.$

$x = 8r\cos\frac{t}{7} - 4r\cos\frac{8t}{7},\ y = 8r\sin\frac{t}{7} - 4r\sin\frac{8t}{7}$

$t\in\langle 0\,;\,14\pi\rangle$

$x = 8r\cos\varphi - 4r\cos 8\varphi,\ y = 8r\sin\varphi - 4r\sin 8\varphi$

$\varphi\in\langle 0\,;\,2\pi\rangle$

$R = 7r,\ c = 4r$