

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

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

$$x = -\frac{6r}{7} \cos 7t + 3r \cos 6t, y = -\frac{6r}{7} \sin 7t + 3r \sin 6t \quad x = -\frac{6r}{7} \cos \varphi + 3r \cos \frac{6\varphi}{7}, y = -\frac{6r}{7} \sin \varphi + 3r \sin \frac{6\varphi}{7}$$

$t \in (0; 2\pi)$ $\varphi \in (0; 14\pi)$

$$R = \frac{r}{7}, c = 3r$$