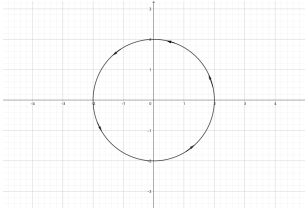


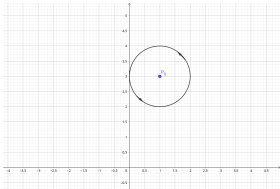
1.    ■  $r = 2$   
       ■  $p = (0, 0)$   
       ■  $x^2 + y^2 = 4$   
       
$$\begin{cases} x(t) = 2 \cdot \cos(t) \\ y(t) = 2 \cdot \sin(t) \\ 0 \leq t < 2\pi \end{cases}$$

$t$	$x$	$y$
$\frac{\pi}{2}$	0	2
$\pi$	-2	0
$\frac{3\pi}{2}$	0	-2



2.    ■  $r = 1$   
       ■  $p = (1, 3)$   
       ■  $(x - 1)^2 + (y - 3)^2 = 1$   
       
$$\begin{cases} x(t) = 1 + \cos(t) \\ y(t) = 3 + \sin(t) \\ 0 \leq t < 2\pi \end{cases}$$

$t$	$x$	$y$
$\frac{\pi}{2}$	1	4
$\pi$	0	3
$\frac{3\pi}{2}$	1	2



3.    ■  $r = 3$   
       ■  $p = (0, 2)$   
       ■  $(x)^2 + (y - 2)^2 = 9$   
       
$$\begin{cases} x(t) = 3 \cdot \cos(t) \\ y(t) = 2 + 3 \sin(t) \\ 0 \leq t < 2\pi \end{cases}$$

$t$	$x$	$y$
$\frac{\pi}{2}$	0	5
$\pi$	-3	2
$\frac{3\pi}{2}$	0	-1

