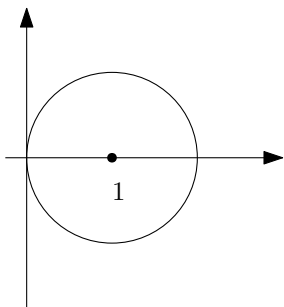
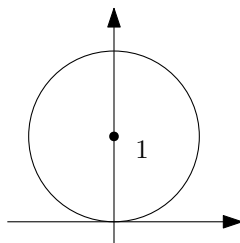


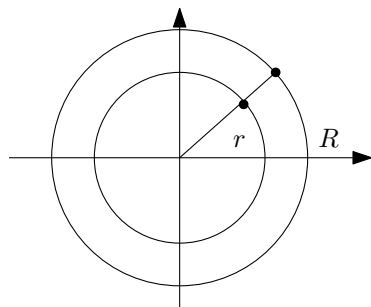
$$\begin{aligned}
 &x^2 + y^2 \leq r^2 \\
 &\{ x = \varphi \cos \theta; y = \varphi \sin \theta \\
 &0 \leq \theta \leq 2\pi \\
 &\varphi^2 \cos^2 \theta + \varphi^2 \sin^2 \theta \leq r^2 \\
 &\varphi^2 \leq r^2 \\
 &\{ 0 \leq \theta \leq 2\pi; 0 \leq \varphi \leq r
 \end{aligned}$$



$$\begin{aligned}
 &(x - 1)^2 + y^2 = 1 \\
 &x^2 - 2x + 1 - 1 + y^2 = 0 \\
 &x^2 + y^2 - 2x = 0 \\
 &\varphi^2 - 2\varphi \cos \theta = 0 \\
 &\varphi = 2 \cos \theta \\
 &\varphi = 2r \cos \theta
 \end{aligned}$$



$$\begin{aligned}
 &x^2 + (y - 1)^2 = 1 \\
 &x^2 + y^2 - 2y + 1 - 1 = 0 \\
 &x^2 + y^2 - 2y = 0 \\
 &\varphi^2 - 2\varphi \sin \theta = 0 \\
 &\varphi = 2 \sin \theta \\
 &\varphi = 2r \sin \theta
 \end{aligned}$$



corona circolare $r^2 \leq x^2 + y^2 \leq R^2$
 $\{ 0 \leq \theta \leq 2\pi; r \leq \varphi \leq R$