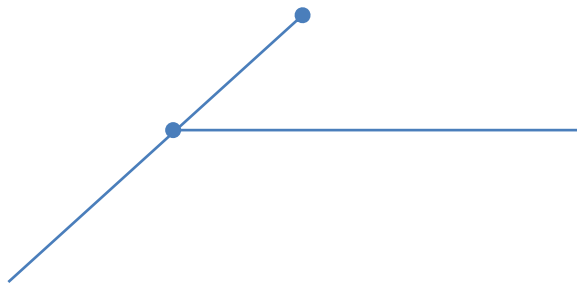


Polar Coordinates

(r, θ)



Ex $\left(2, \frac{2\pi}{3}\right)$

Equation

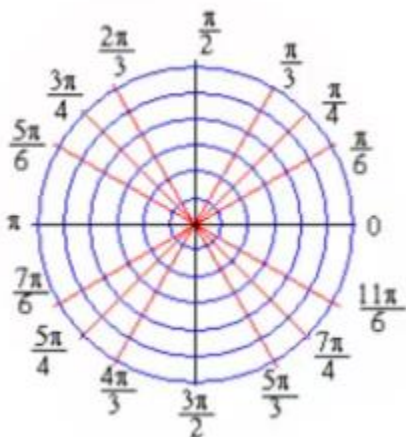
$$r = a$$

$$\theta = \theta_0$$

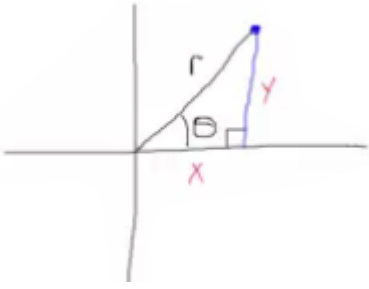
Ex.

$$r = -3$$

$$\theta = \frac{\pi}{4}$$



$$-2 \leq r \leq -1, \quad \frac{-\pi}{6} \leq \theta \leq \frac{\pi}{6}$$



Ex. $r^2 = 4r \cos \theta$

Ex. $3x^2 - 4y^2 = 1$