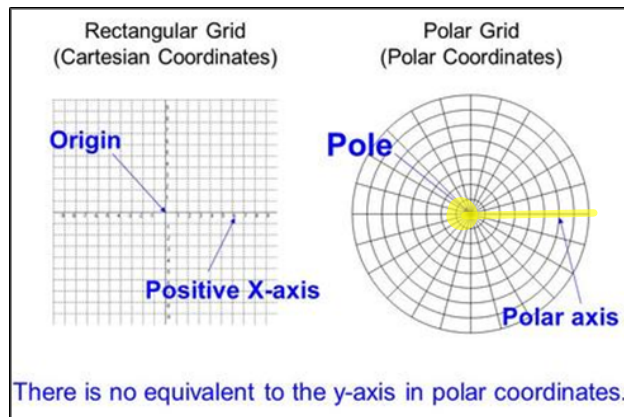


# Polar Coordinates

p. 76



$(-3, -60^\circ)$

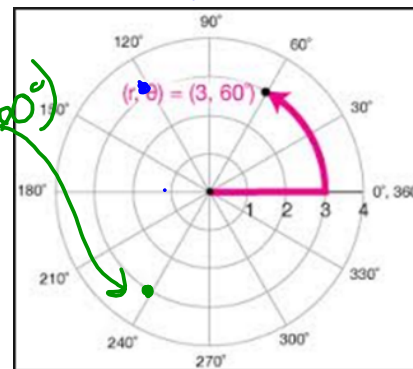
## Polar Coordinate System

Point  $(r, \theta)$

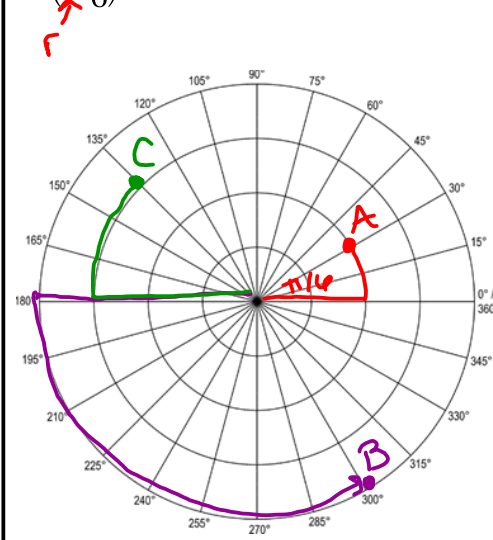
$r$  = directed distance from pole

$\theta$  = directed angle counterclockwise from the polar axis

$(-3, 60^\circ)$



Plot & label the points  
 A  $(2, \frac{\pi}{6})$  B  $(-4, 120^\circ)$  C  $(-3, -45^\circ)$



Plot the point  $(3, -75^\circ)$  & find 3 additional polar representations of this point.

