

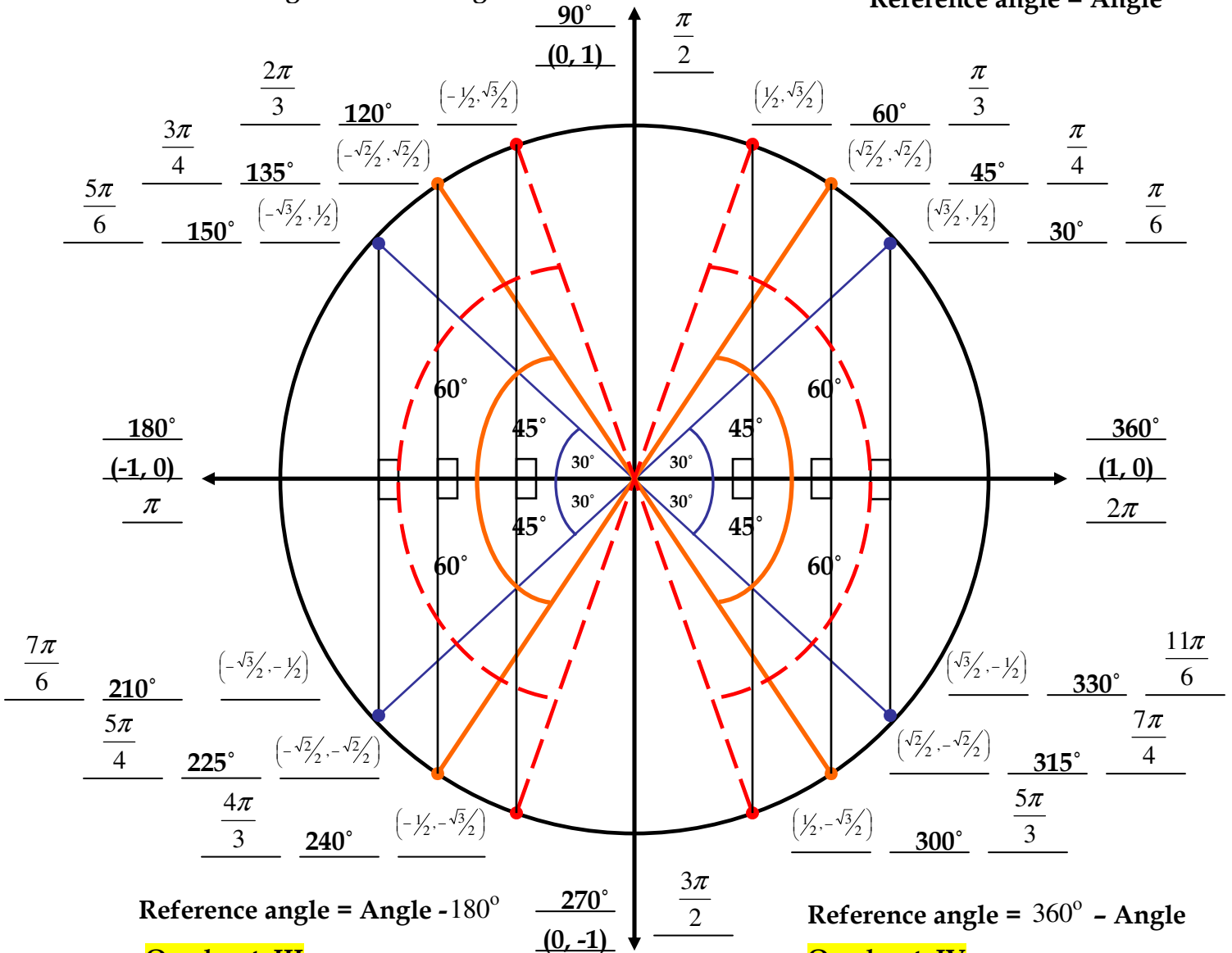
# Unit Circle

## Quadrant: II

Reference angle =  $180^\circ - \text{Angle}$

## Quadrant: I

Reference angle = Angle



Reference angle = Angle -  $180^\circ$

## Quadrant: III

Reference angle =  $360^\circ - \text{Angle}$

## Quadrant: IV

$\frac{\sqrt{3}}{2} = 0.8660$	$\sqrt{3} = 1.7321$
$\frac{\sqrt{2}}{2} = 0.7071$	$\sqrt{2} = 1.414$

$(\cos(\theta), \sin(\theta))$
$r = 1$ [unit circle]
$(x, y)$
$(a, b)$