

THE UNIT CIRCLE

$$(\cos \theta, \sin \theta)$$

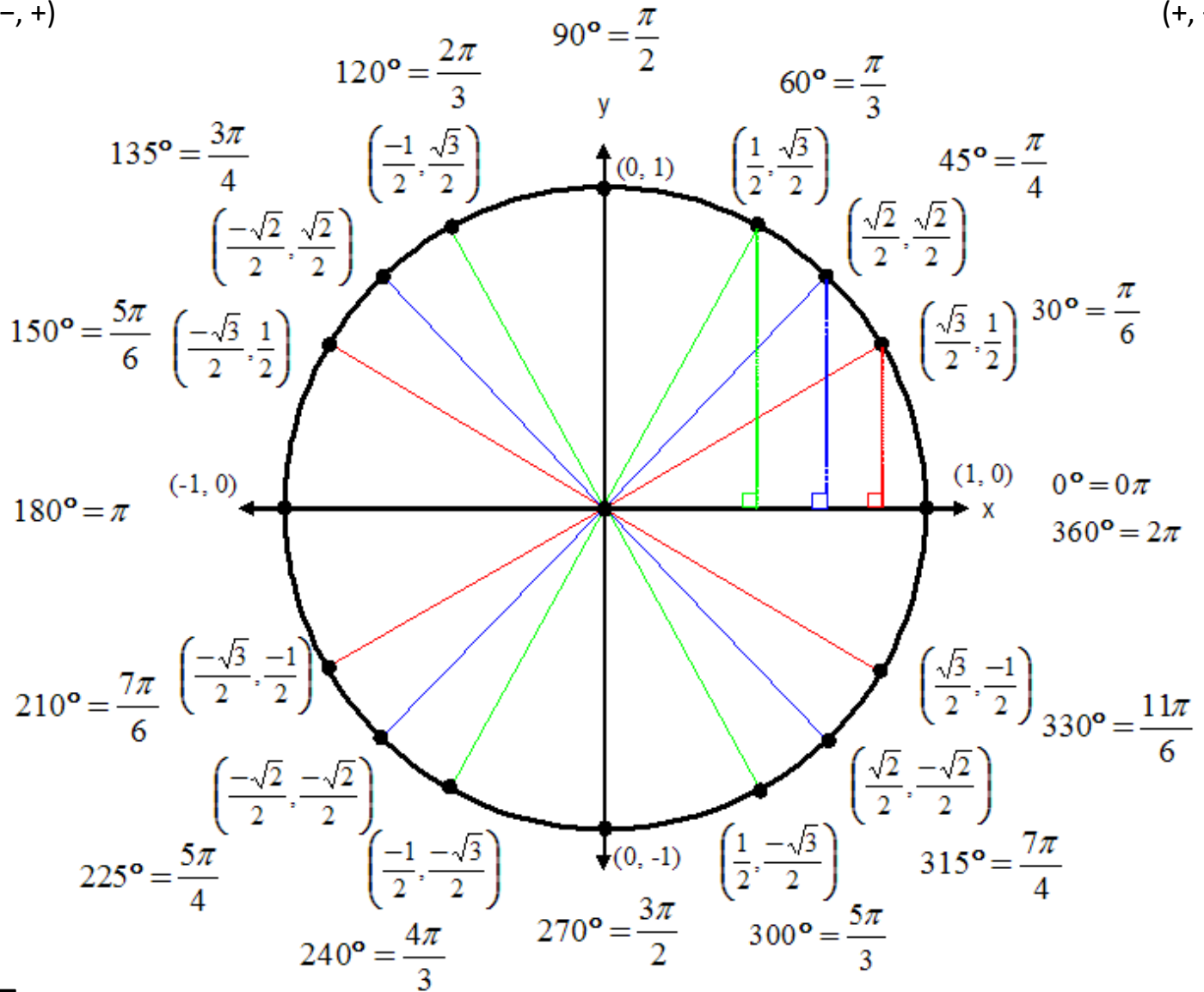
$$(x, y)$$

S

Quadrant 2
(-, +)

A

Quadrant 1
(+, +)



T

Quadrant 3
(-, -)

C

Quadrant 4
(+, -)

$$\cos \theta = x \quad \sin \theta = y \quad \tan \theta = \frac{y}{x}$$

because $r = 1$

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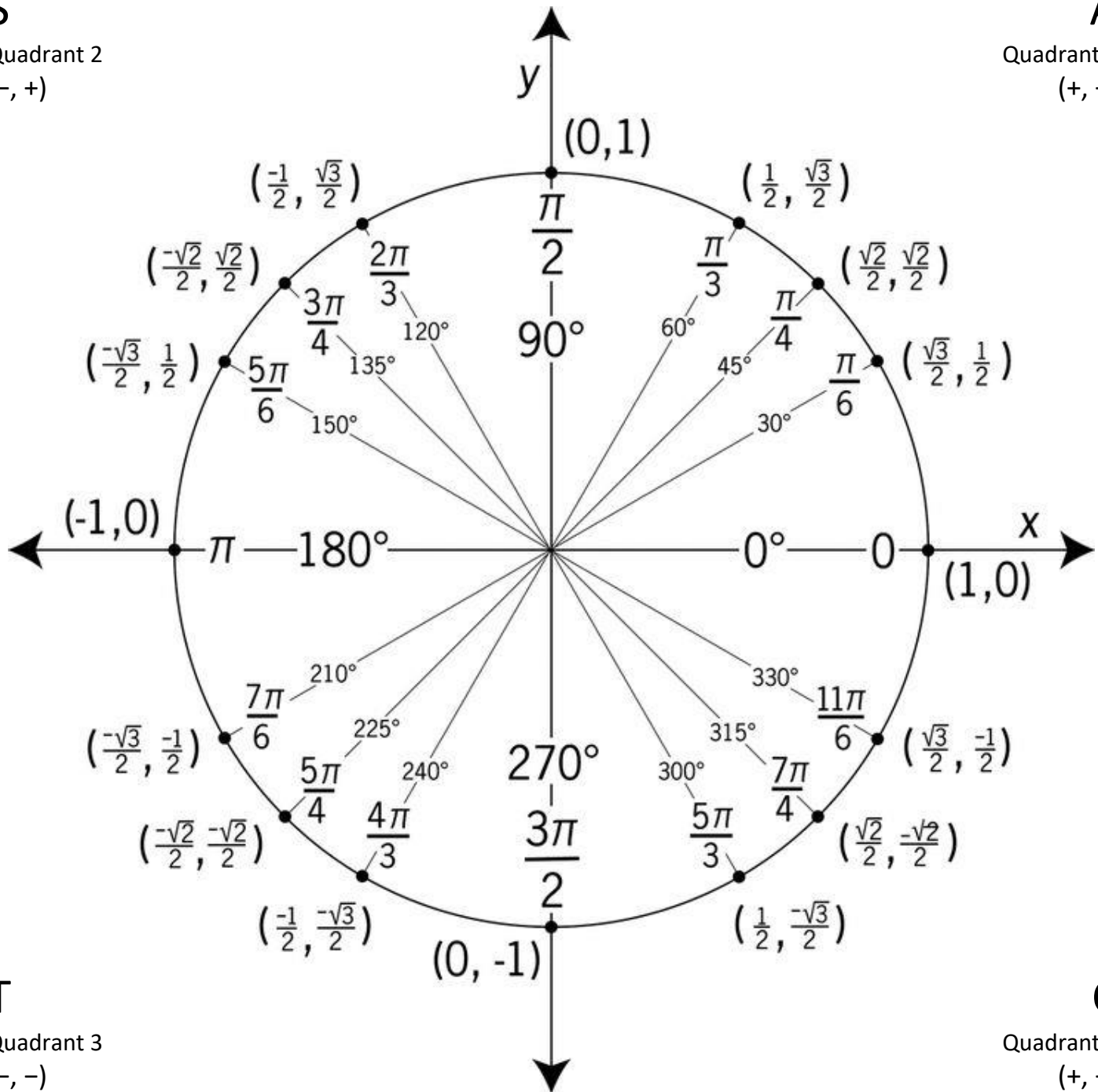
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