

# THE UNIT CIRCLE

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

$$(x, y)$$

S

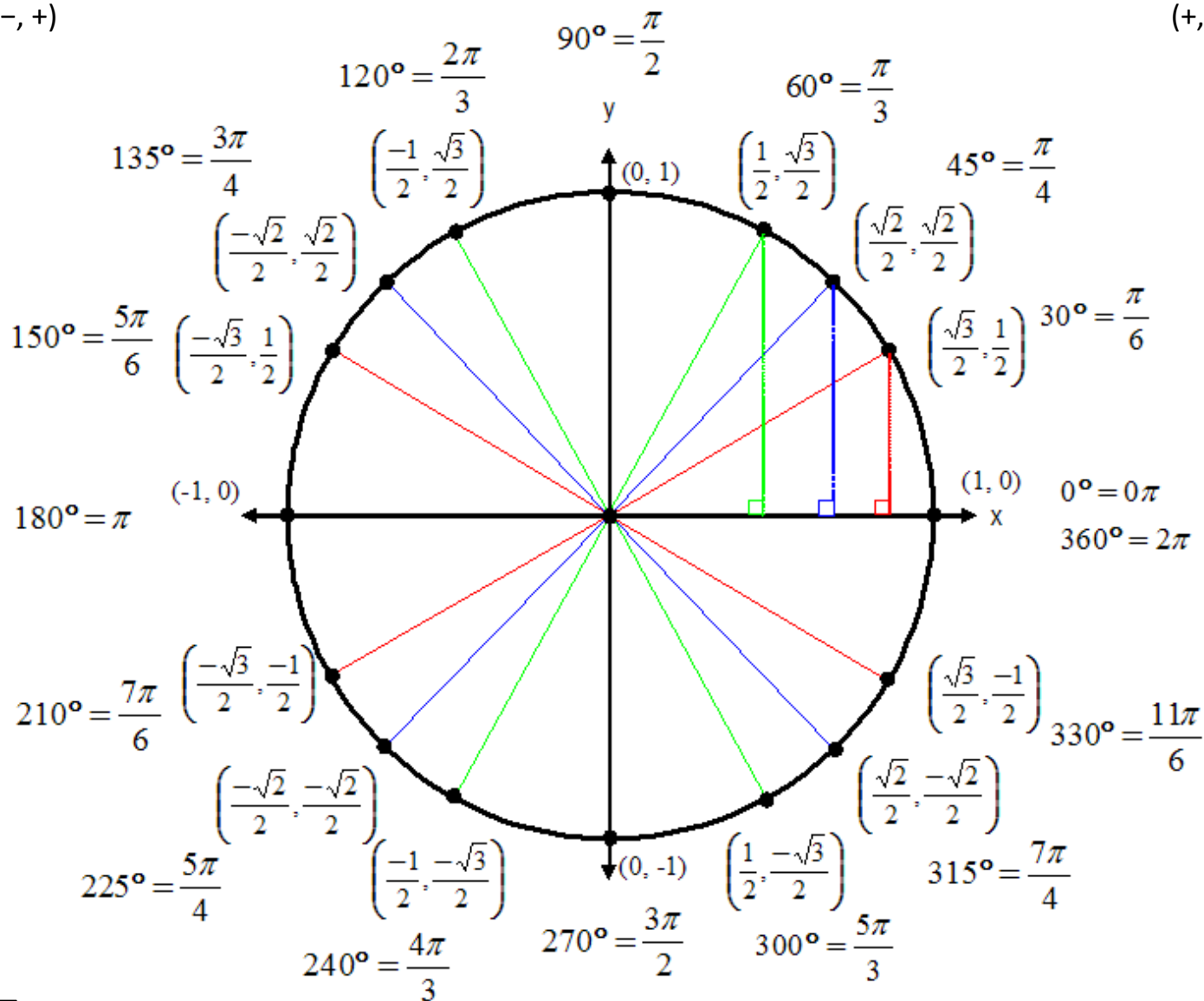
Quadrant 2

(-, +)

A

Quadrant 1

(+, +)



T

Quadrant 3

(-, -)

C

Quadrant 4

(+, -)

$$\cos \theta = x$$

$$\sin \theta = y$$

$$\tan \theta = \frac{y}{x}$$

because  $r = 1$

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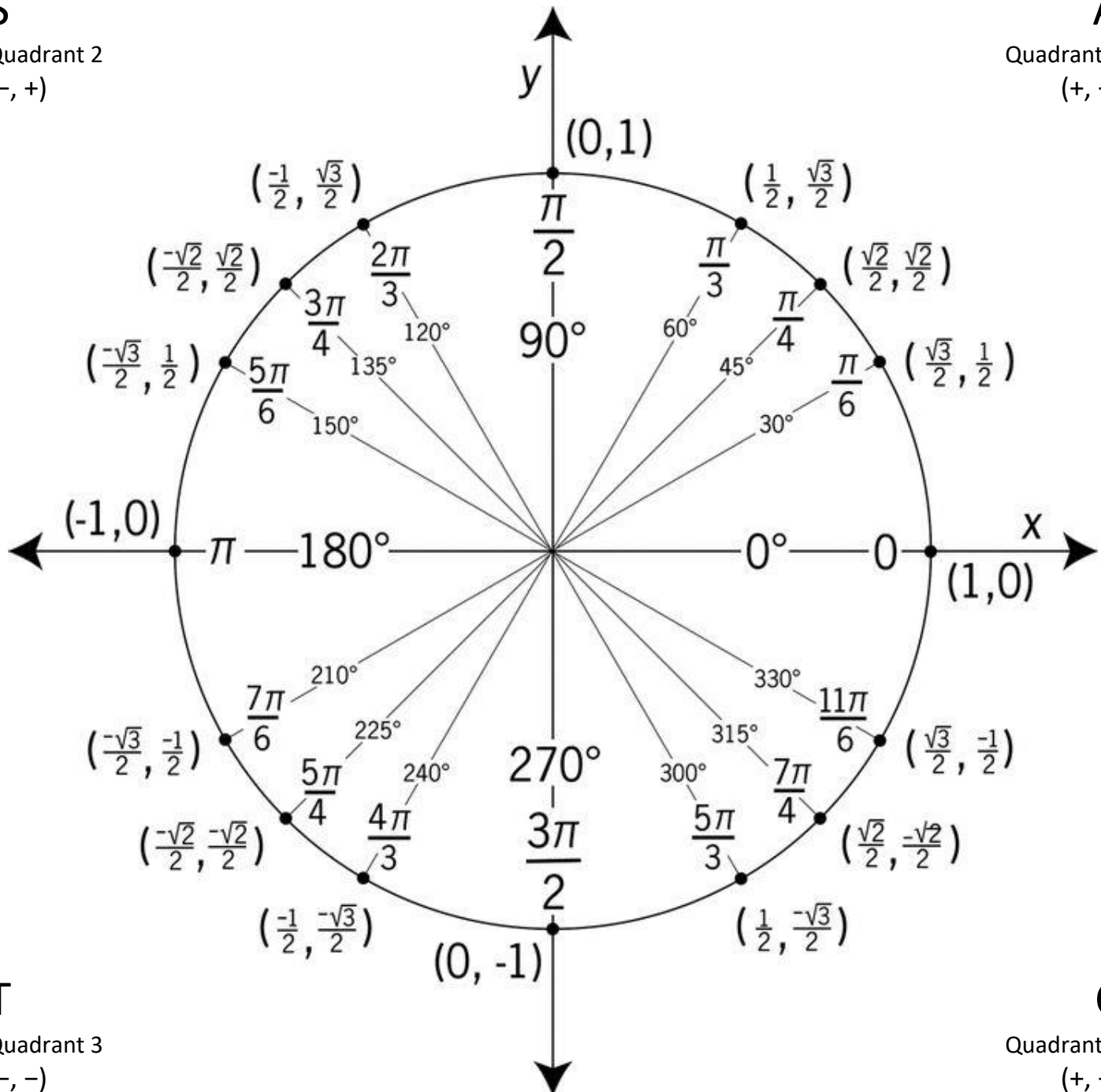
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