The unit circle is the graph of

$$x^2 + y^2 = 1$$

Positive: sin, csc
Negative: cos, tan, sec, cot

Positive: sin, cos, tan, sec, csc, cot
Negative: none

$(0, 1)$

$90° \frac{\pi}{2}$

$\left(\frac{-1}{2}, \frac{\sqrt{3}}{2}\right)$ $\frac{2\pi}{3}$

$\left(\frac{-\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$ $\frac{3\pi}{4}$ $120°$

$\left(\frac{-\sqrt{3}}{2}, \frac{1}{2}\right)$ $\frac{5\pi}{6}$ $135°$

$150°$

$\left(\frac{1}{2}, \frac{\sqrt{3}}{2}\right)$

$\frac{\pi}{3}$

$\left(\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$

$60°$ $\frac{\pi}{4}$

$45°$ $\frac{\pi}{6}$ $\left(\frac{\sqrt{3}}{2}, \frac{1}{2}\right)$

$30°$

$(-1, 0) \pi$ $180°$

$0°$ $0 (1, 0)$
$360°$ 2π

$210°$
$\frac{7\pi}{6}$ $225°$

$\left(\frac{-\sqrt{3}}{2}, \frac{-1}{2}\right)$ $\frac{5\pi}{4}$ $240°$

$\left(\frac{-\sqrt{2}}{2}, \frac{-\sqrt{2}}{2}\right)$ $\frac{4\pi}{3}$

$\left(\frac{-1}{2}, \frac{-\sqrt{3}}{2}\right)$

$330°$
$\frac{11\pi}{6}$

$315°$ $\left(\frac{\sqrt{3}}{2}, \frac{-1}{2}\right)$

$300°$ $\frac{7\pi}{4}$

$\frac{5\pi}{3}$ $\left(\frac{\sqrt{2}}{2}, \frac{-\sqrt{2}}{2}\right)$

$\left(\frac{1}{2}, \frac{-\sqrt{3}}{2}\right)$

$\frac{3\pi}{2} 270°$

$(0, -1)$

Positive: tan, cot
Negative: sin, cos, sec, csc

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Negative: sin, tan, csc, cot
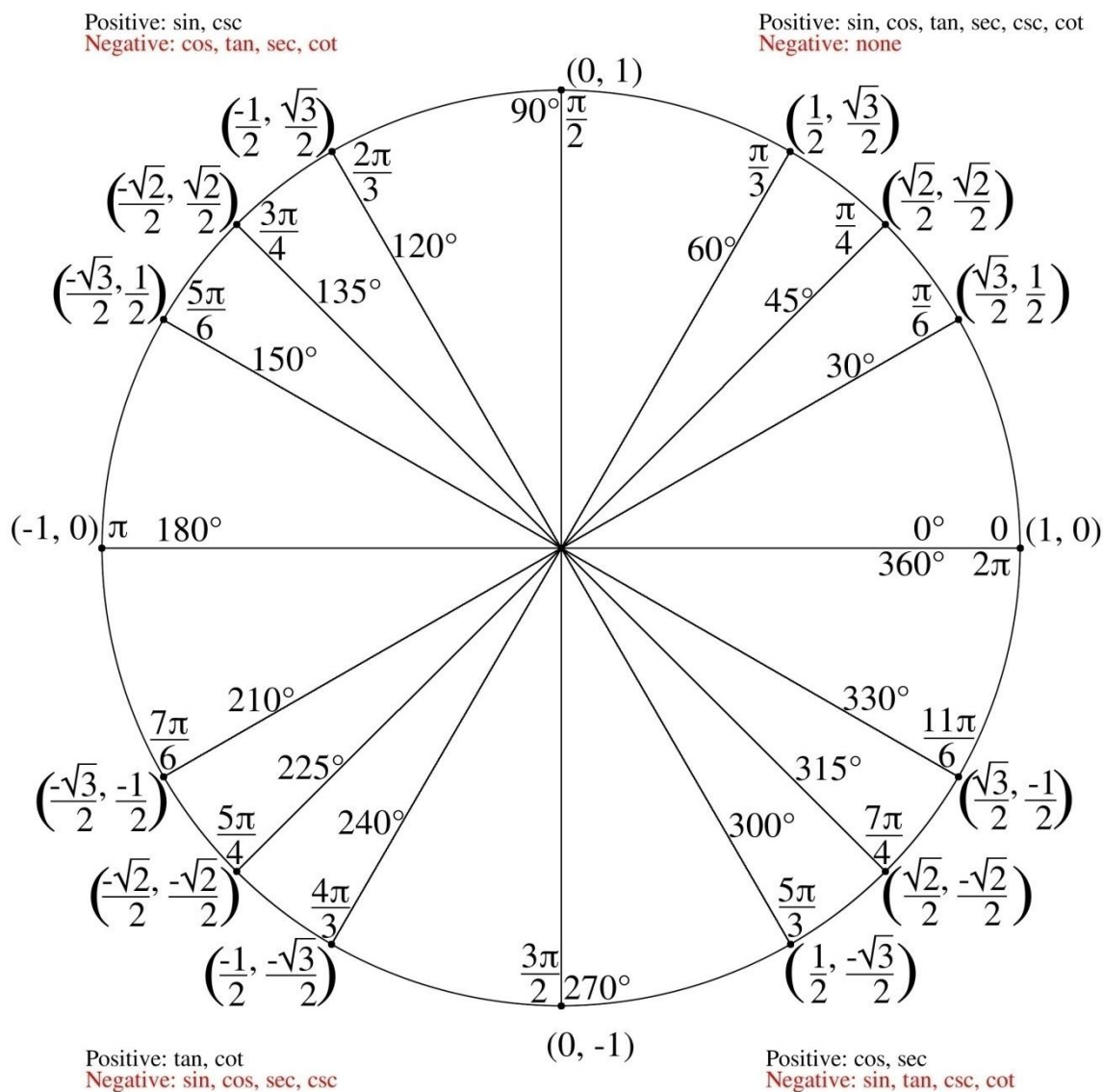
For each ordered pair (x, y)

$x = \cos(\theta) \ \text{and} \ y = \sin(\theta)$