The Unit Circle

$90° = \dfrac{\pi}{2}$

$120° = \dfrac{2\pi}{3}$

$60° = \dfrac{\pi}{3}$

$135° = \dfrac{3\pi}{4}$

$45° = \dfrac{\pi}{4}$

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

$(0, 1)$

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

$\left(\dfrac{-\sqrt{2}}{2},\dfrac{\sqrt{2}}{2}\right)$

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

$150° = \dfrac{5\pi}{6}$

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

$30° = \dfrac{\pi}{6}$

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

$(-1, 0)$

$(1, 0)$

$0° = 0\pi$

$180° = \pi$

$360° = 2\pi$

$210° = \dfrac{7\pi}{6}$

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

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

$330° = \dfrac{11\pi}{6}$

$\left(\dfrac{-\sqrt{2}}{2},\dfrac{-\sqrt{2}}{2}\right)$

$\left(\dfrac{\sqrt{2}}{2},\dfrac{-\sqrt{2}}{2}\right)$

$225° = \dfrac{5\pi}{4}$

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

$(0, -1)$

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

$315° = \dfrac{7\pi}{4}$

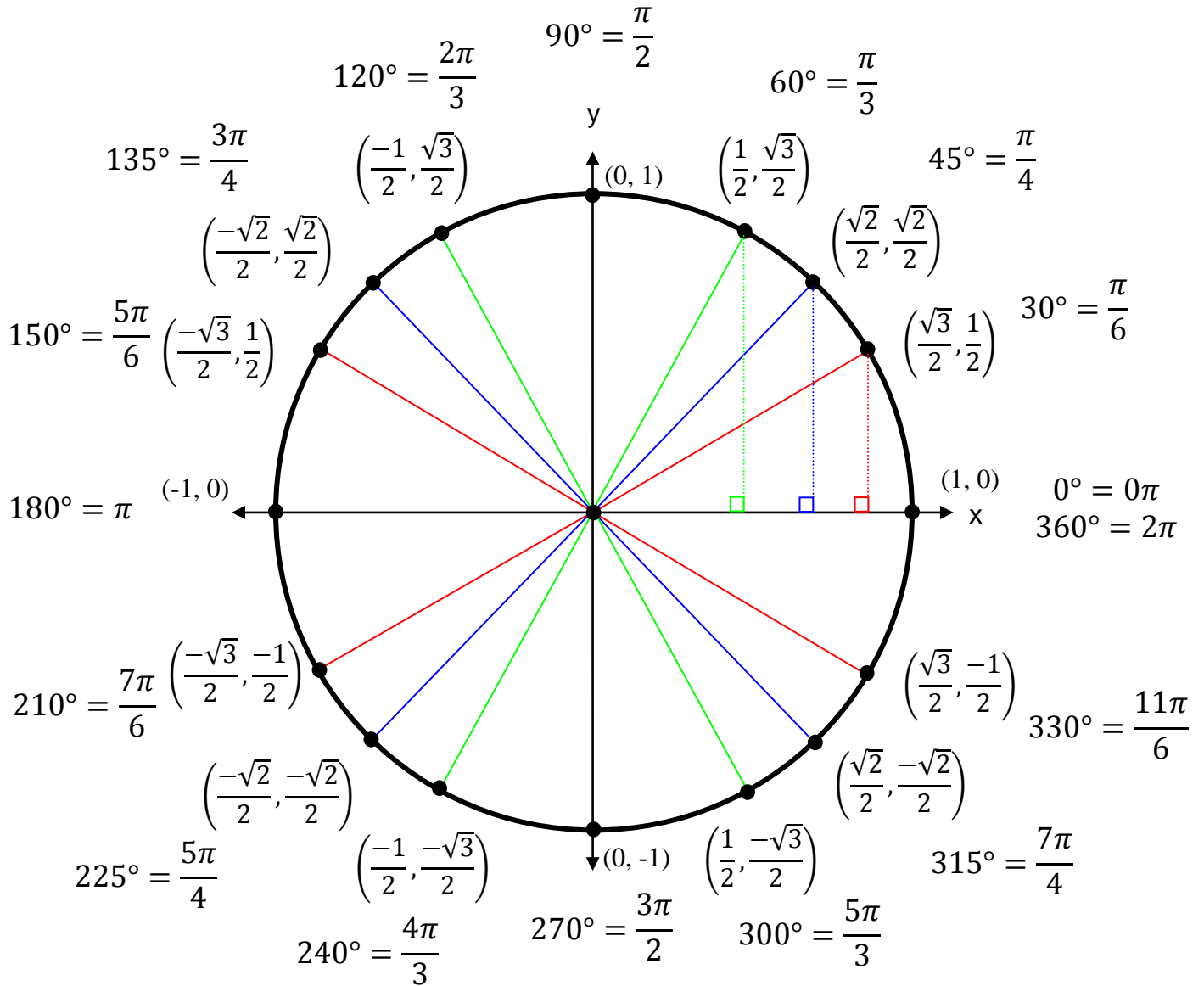$270° = \dfrac{3\pi}{2}$

$300° = \dfrac{5\pi}{3}$

$240° = \dfrac{4\pi}{3}$

The cosine of angle θ is the x-coordinate.
The sine of angle θ is the y-coordinate.

$(x,y) = (\cos θ, \sin θ)$