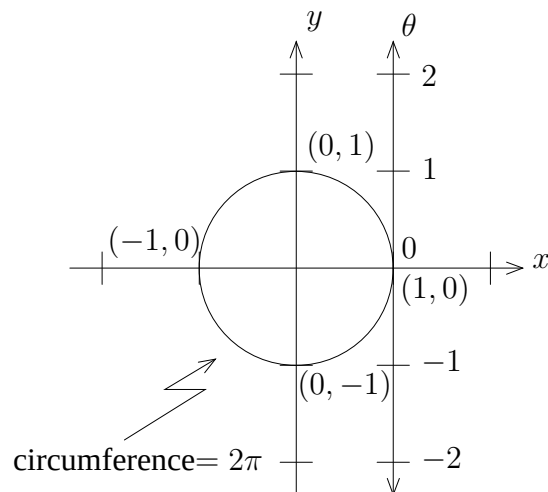


T3.3 The Wrapping Function At Multiples of π and $\frac{\pi}{2}$

A. Setup

Unit circle and number line in vertical position at $(1, 0)$



θ : theta (number line variable)

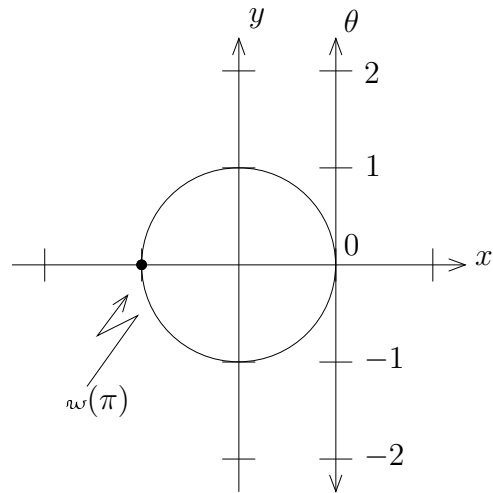
B. Evaluation

Locate $w(\theta)$ and read off the coordinates.

C. Examples

Example 1: Evaluate $\omega(\pi)$

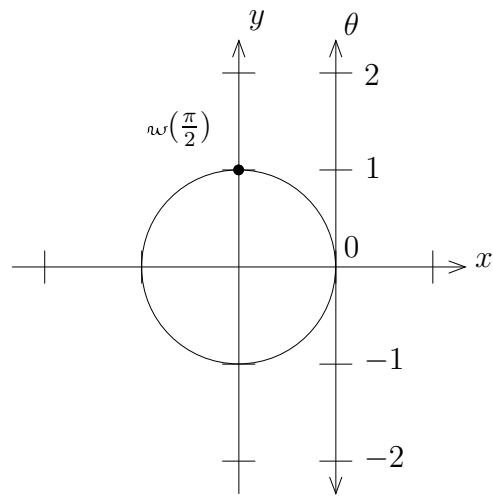
Solution



Ans $\omega(\pi) = (-1, 0)$

Example 2: Evaluate $\omega(\frac{\pi}{2})$

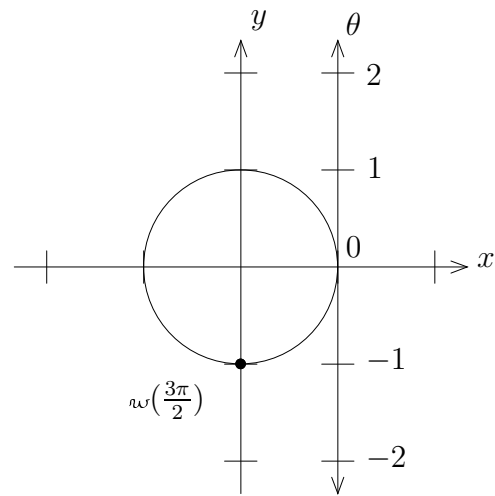
Solution



Ans $\boxed{\omega(\frac{\pi}{2}) = (0, 1)}$

Example 3: Evaluate $w(\frac{3\pi}{2})$

Solution



Ans $w(\frac{3\pi}{2}) = (0, -1)$
