

UNIT CIRCLE WORKSHEET

Solve for θ (where $0^\circ \leq \theta < 360^\circ$) in the following equations:

- $\sin(\theta) = 1/2$
- $\cos(\theta) = -\sqrt{3}/2$
- $\tan(\theta) = 1$

Calculate the angles for the following inverse trigonometric function values, and explain your steps:

- $\arcsin(1/2)$
- $\arccos(0)$
- $\arctan(-1)$

Discuss the significance of the unit circle in solving trigonometric equations. How does the visual representation on the circle assist in understanding the solutions?

