

Section 5.5: Exploration

Exact Values on the Unit Circle

Objective:

- To find the exact coordinates of points on the unit circle for quadrantal angles and for angles with reference angle $30^\circ = \frac{\pi}{6}$, $45^\circ = \frac{\pi}{4}$, or $60^\circ = \frac{\pi}{3}$.

Directions: Label the terminal side of all angles (in radians and degrees) shown below and give the exact coordinates of all points of intersection of these angles with the unit circle.

