
Section 2.2

Trigonometric Functions of Non-Acute Angles

NON-ACUTE ANGLES

1. To calculate the following trigonometric function values, perform the following steps:

- Calculate the “standard” coterminal angle $0^\circ \leq \theta < 360^\circ$,
- then determine which quadrant θ lives,
- then calculate the reference angle of θ ,
- and finally calculate the exact value of the trigonometric function, keeping in mind the sign determined by the quadrant θ lives.

	Coterminal	Quadrant	Ref. Angle	Value
$\sin(390^\circ)$				
$\cos(-225^\circ)$				
$\tan(1305^\circ)$				
$\sin(-510^\circ)$				
$\sec(495^\circ)$				
$\cot(2280^\circ)$				