

Given  $\theta$  is in standard position, the reference angle of  $\theta$ , noted  $\theta'$ , is the acute angle formed by the terminal side of  $\theta$  and the horizontal x-axis.

If  $\theta$  lies in quadrant 2, then  $\theta'=180^\circ-\theta$  or  $\theta'=\pi-\theta$  If  $\theta$  lies in quadrant 1, then  $\theta'=\theta$ 























