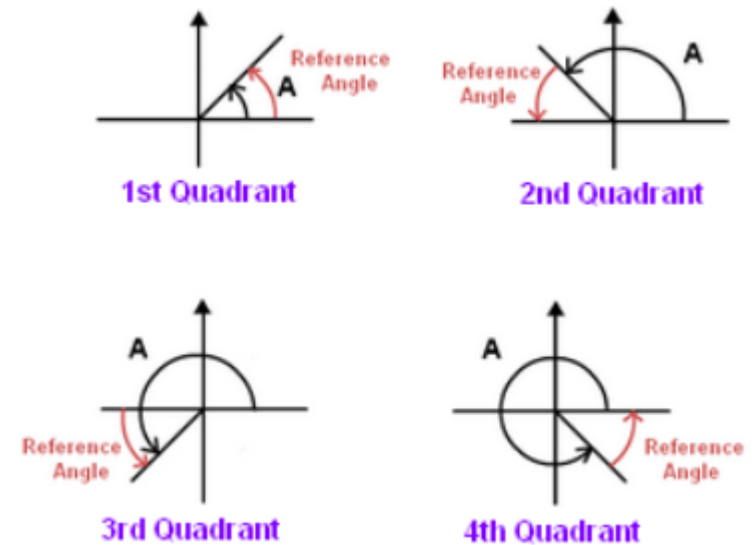
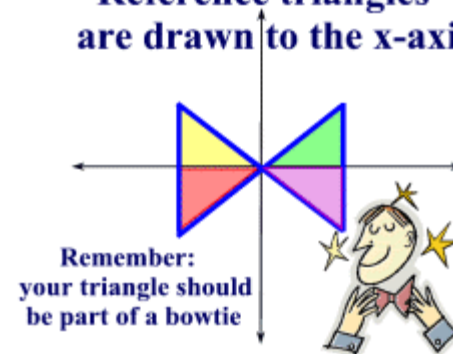


# REFERENCE ANGLES

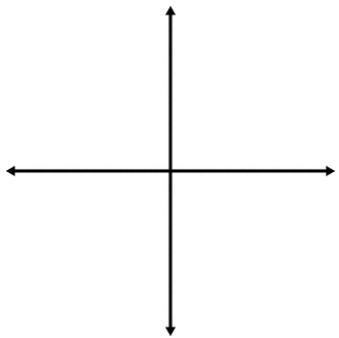
If  $\Theta$  is an angle in standard position, its reference angle,  $R$ , is the acute angle formed by the terminal side and the x-axis.



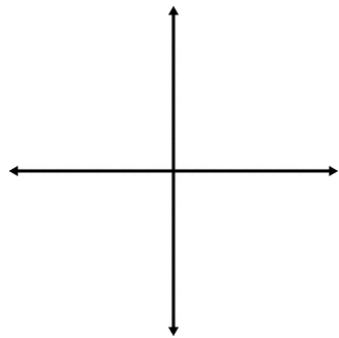
**Reference triangles  
are drawn to the x-axis.**



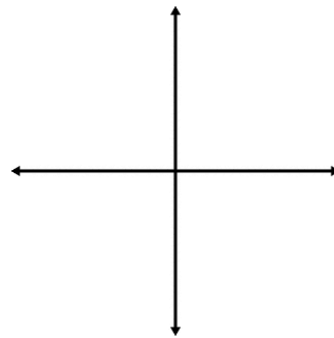
$-230^\circ$



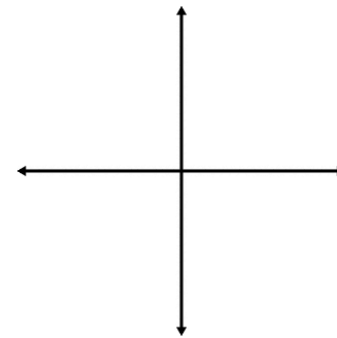
$-\frac{25\pi}{18}$



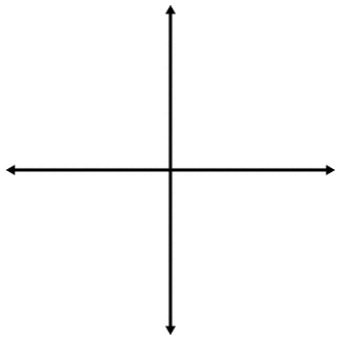
$-\frac{7\pi}{9}$



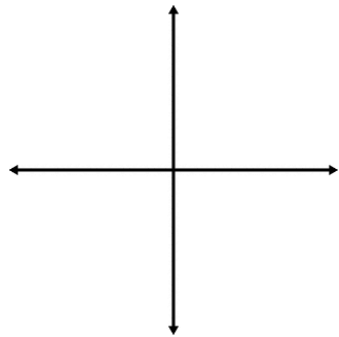
$-\frac{29\pi}{18}$



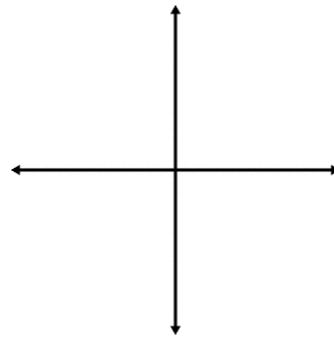
$\frac{31\pi}{9}$



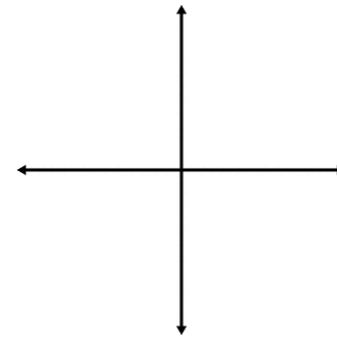
$640^\circ$



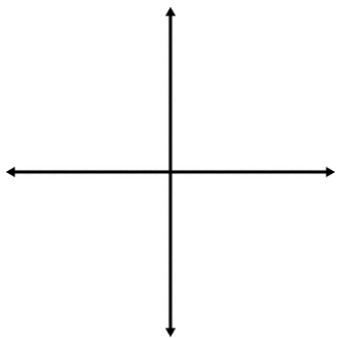
$-510^\circ$



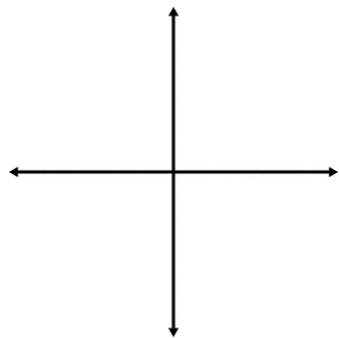
$-\frac{19\pi}{18}$



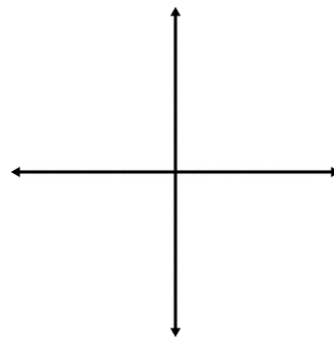
$-\frac{13\pi}{12}$



$-250^\circ$



$185^\circ$



$\frac{17\pi}{36}$

