Angoli associati

angoli supplementari	
secondo quadrante	
$sin(180^0 - \alpha) = sin(\alpha)$	$sin(\pi - \alpha) = sin\,(\alpha)$
$cos(180^0 - \alpha) = -\,cos(\alpha)$	$cos(\pi - \alpha) = -\,cos(\alpha)$
$tan(180^0 - \alpha) = -\,tan(\alpha)$	$tan(\pi - \alpha) = -\,tan(\alpha)$
$cot(180^0 - \alpha) = -\,cot(\alpha)$	$cot(\pi - \alpha) = -\,cot(\alpha)$

angoli complementari	
primo quadrante	
$sin(90^0 - \alpha) = cos(\alpha)$	$sin\left(\frac{\pi}{2} - \alpha\right) = cos(\alpha)$
$cos(90^0 - \alpha) = sin(\alpha)$	$cos\left(\frac{\pi}{2} - \alpha\right) = sin(\alpha)$
$tan(90^0 - \alpha) = cot(\alpha)$	$tan\left(\frac{\pi}{2} - \alpha\right) = cot(\alpha)$
$cot(90^0 - \alpha) = tan(\alpha)$	$cot\left(\frac{\pi}{2} - \alpha\right) = tan(\alpha)$

angoli che differiscono di un angolo piatto	
terzo quadrante	
$sin(180^0 + \alpha) = -\,sin(\alpha)$	$sin(\pi + \alpha) = -\,sin(\alpha)$
$cos(180^0 + \alpha) = -\,cos(\alpha)$	$cos(\pi + \alpha) = -\,cos(\alpha)$
$tan(180^0 + \alpha) = tan(\alpha)$	$tan(\pi + \alpha) = tan(\alpha)$
$cot(180^0 + \alpha) = cot(\alpha)$	$cot(\pi + \alpha) = cot(\alpha)$

angoli che differiscono di un angolo retto	
secondo quadrante	
$sin(90^0 + \alpha) = cos(\alpha)$	$sin\left(\frac{\pi}{2} + \alpha\right) = cos(\alpha)$
$cos(90^0 + \alpha) = -\,sin(\alpha)$	$cos\left(\frac{\pi}{2} + \alpha\right) = -\,sin(\alpha)$
$tan(90^0 + \alpha) = -\,cot(\alpha)$	$tan\left(\frac{\pi}{2} + \alpha\right) = -\,cot(\alpha)$
$cot(90^0 + \alpha) = -\,tan(\alpha)$	$cot\left(\frac{\pi}{2} + \alpha\right) = -\,tan(\alpha)$

angoli esplementari	
quarto quadrante	
$sin(360^0 - \alpha) = -\,sin(\alpha)$	$sin(2\pi - \alpha) = -\,sin(\alpha)$
$cos(360^0 - \alpha) = cos(\alpha)$	$cos(2\pi - \alpha) = cos(\alpha)$
$tan(360^0 - \alpha) = -\,tan(\alpha)$	$tan(2\pi - \alpha) = -\,tan(\alpha)$
$cot(360^0 - \alpha) = -\,cot(\alpha)$	$cot(2\pi - \alpha) = -\,cot(\alpha)$

angoli la cui somma è 270°	
terzo quadrante	
$sin(270^0 - \alpha) = -\,cos(\alpha)$	$sin\left(\frac{3}{2}\pi - \alpha\right) = -\,cos(\alpha)$
$cos(270^0 - \alpha) = -\,sin(\alpha)$	$cos\left(\frac{3}{2}\pi - \alpha\right) = -\,sin(\alpha)$
$tan(270^0 - \alpha) = cot(\alpha)$	$tan\left(\frac{3}{2}\pi - \alpha\right) = cot(\alpha)$
$cot(270^0 - \alpha) = tan(\alpha)$	$cot\left(\frac{3}{2}\pi - \alpha\right) = tan(\alpha)$

angoli opposti	
quarto quadrante	
$sin(-\alpha) = -\,sin(\alpha)$	$sin(-\alpha) = -\,sin(\alpha)$
$cos(-\alpha) = cos(\alpha)$	$cos(-\alpha) = cos(\alpha)$
$tan(-\alpha) = -\,tan(\alpha)$	$tan(-\alpha) = -\,tan(\alpha)$
$cot(-\alpha) = -\,cot(\alpha)$	$cot(-\alpha) = -\,cot(\alpha)$

angoli che differiscono di 270°	
quarto quadrante	
$sin(270^0 + \alpha) = -\,cos(\alpha)$	$sin\left(\frac{3}{2}\pi + \alpha\right) = -\,cos(\alpha)$
$cos(270^0 + \alpha) = sin(\alpha)$	$cos\left(\frac{3}{2}\pi + \alpha\right) = sin(\alpha)$
$tan(270^0 + \alpha) = -\,cot(\alpha)$	$tan\left(\frac{3}{2}\pi + \alpha\right) = -\,cot(\alpha)$
$cot(270^0 + \alpha) = -\,tan(\alpha)$	$cot\left(\frac{3}{2}\pi + \alpha\right) = -\,tan(\alpha)$