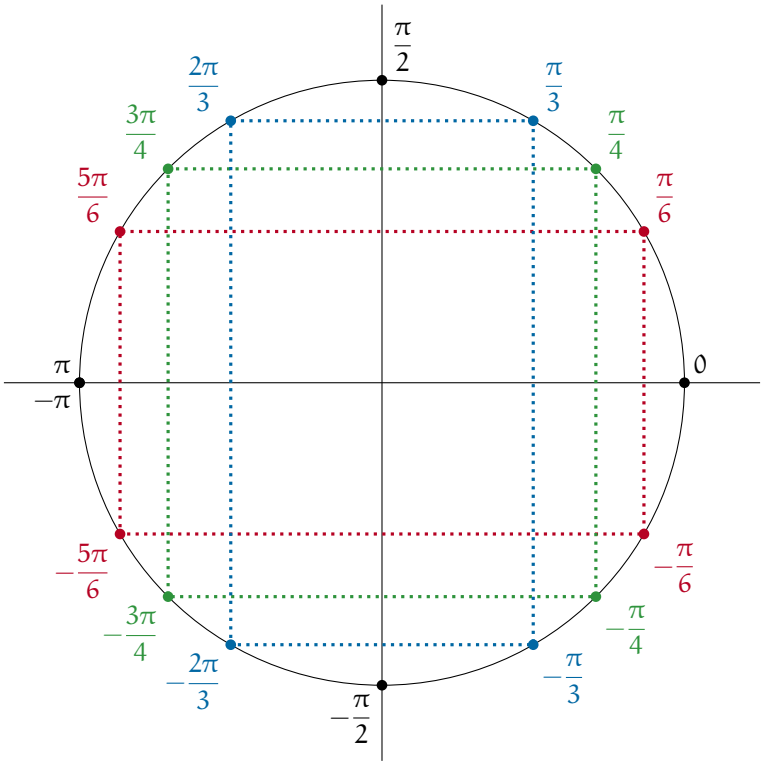
Petit mémo de trigo



θ	$\cos(\theta)$	$\sin(\theta)$
0	$1 = \frac{\sqrt{4}}{2}$	$0 = \frac{\sqrt{0}}{2}$
$\frac{\pi}{6}$	$\frac{\sqrt{3}}{2}$	$\frac{1}{2} = \frac{\sqrt{1}}{2}$
$\frac{\pi}{4}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$
$\frac{\pi}{3}$	$\frac{1}{2} = \frac{\sqrt{1}}{2}$	$\frac{\sqrt{3}}{2}$
$\frac{\pi}{2}$	$= \frac{\sqrt{0}}{2}$	$1 = \frac{\sqrt{4}}{2}$

Formules d'Euler

$$\cos(\theta) = \frac{e^{i\theta} + e^{-i\theta}}{2} \qquad \sin(\theta) = \frac{e^{i\theta} - e^{-i\theta}}{2i}$$

Formules de De Moivre

$$\Big(\cos(\theta) + i\sin(\theta)\Big)^n = \cos(n\theta) + i\sin(n\theta)$$