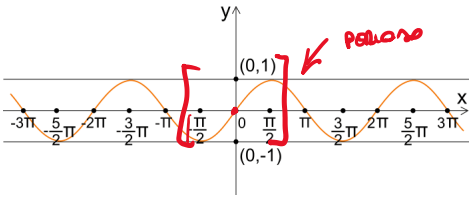
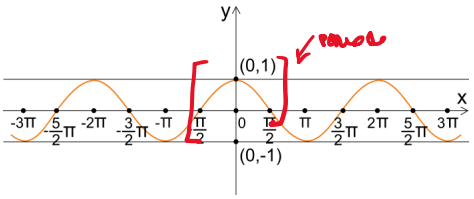
SENO

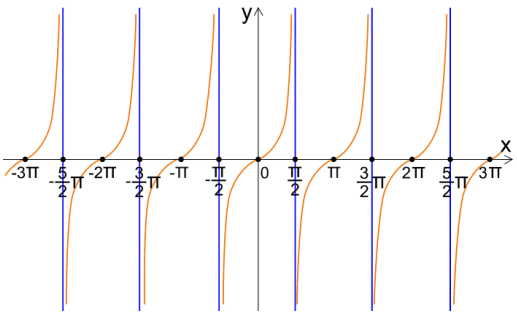


COSENO



Angolo		Seno	Coseno	Tangente	Cotangente
Radianti	Gradi				
0	0°	0	1	0	∞
$\frac{\pi}{6}$	30°	$\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{3}}{3}$	$\sqrt{3}$
$\frac{\pi}{4}$	45°	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$	1	1
$\frac{\pi}{3}$	60°	$\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$\sqrt{3}$	$\frac{\sqrt{3}}{3}$
$\frac{\pi}{2}$	90°	1	0	∞	0

TANGENTE



$\sin(30^\circ) + \cos(45^\circ)$

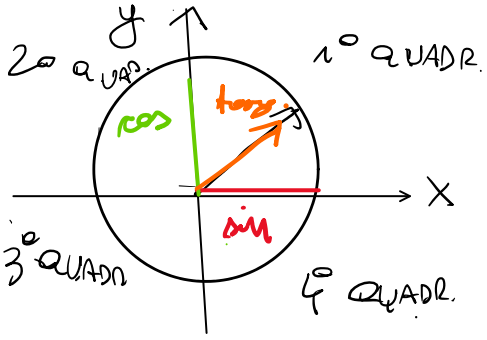
$\frac{1}{2} + \frac{\sqrt{2}}{2} = \dots$

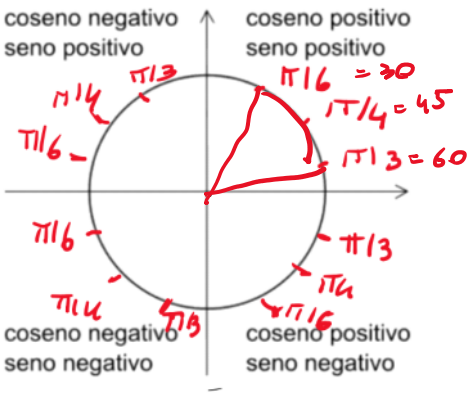
CONV. GRADI / RADIANTI E VICEVERSA

$$\alpha^\circ : \alpha^r = 360^\circ : 2\pi$$

$$\alpha^r = \alpha^\circ \cdot \frac{2\pi}{360} = \alpha^\circ \cdot \frac{\pi}{180}$$

$$\alpha^\circ = \alpha^r \cdot \frac{180}{\pi}$$





ANGOLI NOTEVOLI

30°/45°/60°

ESEMPI

- CONV. ANGOLI / RADIANTI

$\operatorname{sen}(30) = 1/2$

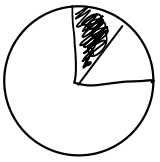
$\cos(60) = 1/2$

ESPRESSIONI CON SENO / COSENO / TANGENTE

$1 - \sin 45° \cos 45°$

$= 1 - \left(\frac{\sqrt{2}}{2} \cdot \frac{\sqrt{2}}{2}\right)$

$= 1 - \frac{2}{4} = 1 - \frac{1}{2} = \frac{1}{2}$



$4\cos(45°) \cdot \sin^2(60°)$

$= 4\left(\frac{\sqrt{2}}{2}\right) \cdot \left(\frac{\sqrt{3}}{2}\right)^2 \quad (\sqrt{3})^2 = 3$

$= 2\sqrt{2} \cdot \frac{3}{4} = \sqrt{2} \cdot 3$

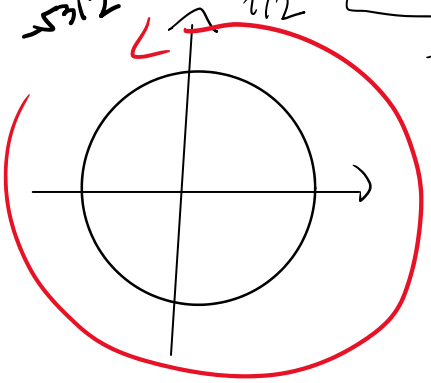
$\frac{7}{6} \cdot 180^{30} = 210$

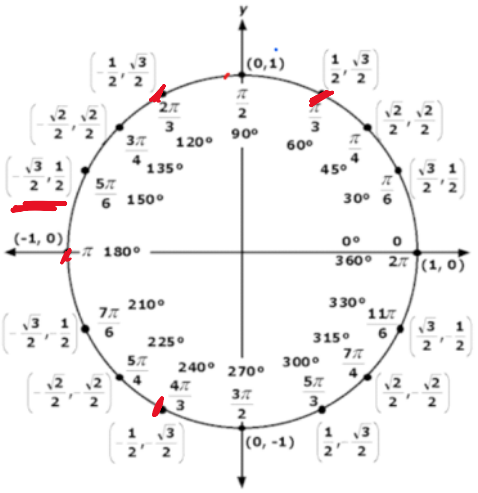
$\sin(180) + \sin(30)$

$= -1 + \frac{\sqrt{3}}{2} = \frac{-2+\sqrt{3}}{2}$

$\left(\sin\frac{7\pi}{3} + \cos\frac{4\pi}{3}\right) \cdot \left(\sin\frac{7\pi}{6} - \cos\frac{5\pi}{6}\right) \cdot \sin\frac{5\pi}{4}$

$\sqrt{3}/2 \quad -1/2 \quad -1/2 \quad -1/2 \quad -1$





$\frac{\sqrt{3}}{2} + 0$

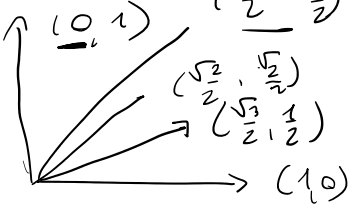
$= \frac{\sqrt{3}}{2}$

$360 + 60$

$\frac{\sqrt{3}}{2}$

$\cos(240) \rightarrow 60 \cdot 4$

$\frac{\sqrt{3}}{2} \cdot 4 = 2\sqrt{3}$



$\cos\left(\frac{5\pi}{6}\right) = \frac{5 \cdot 180^{30}}{6} = 150°$

$120 + 30$

$\pi = 180$

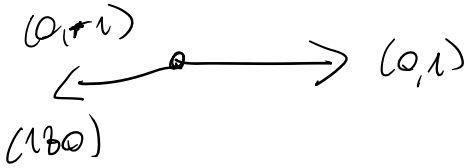
$30 + 60 =$

$0 + \frac{1}{2} = \frac{1}{2}$

$\text{Aom} \longrightarrow \frac{\sin}{\cos} \rightarrow \sin$

$\text{Aom}\left(\frac{5\pi}{4}\right) \rightarrow 5 \cdot \frac{180}{4_1} = 225 = 180 + 45$

$= \frac{\sin(180)}{\cos(180)} + \frac{\sin(45)}{\cos(45)}$



$= \frac{0}{1} + \frac{\sqrt{2}/2}{\sqrt{2}/2}$

$= 0 + \frac{\sqrt{2}}{2} \cdot \frac{2}{\sqrt{2}} = 1$

$\left(\frac{\sqrt{3}}{2} - \frac{1}{2}\right) - \left(\frac{\sqrt{3}}{2} - \frac{1}{2}\right) \cdot 1$