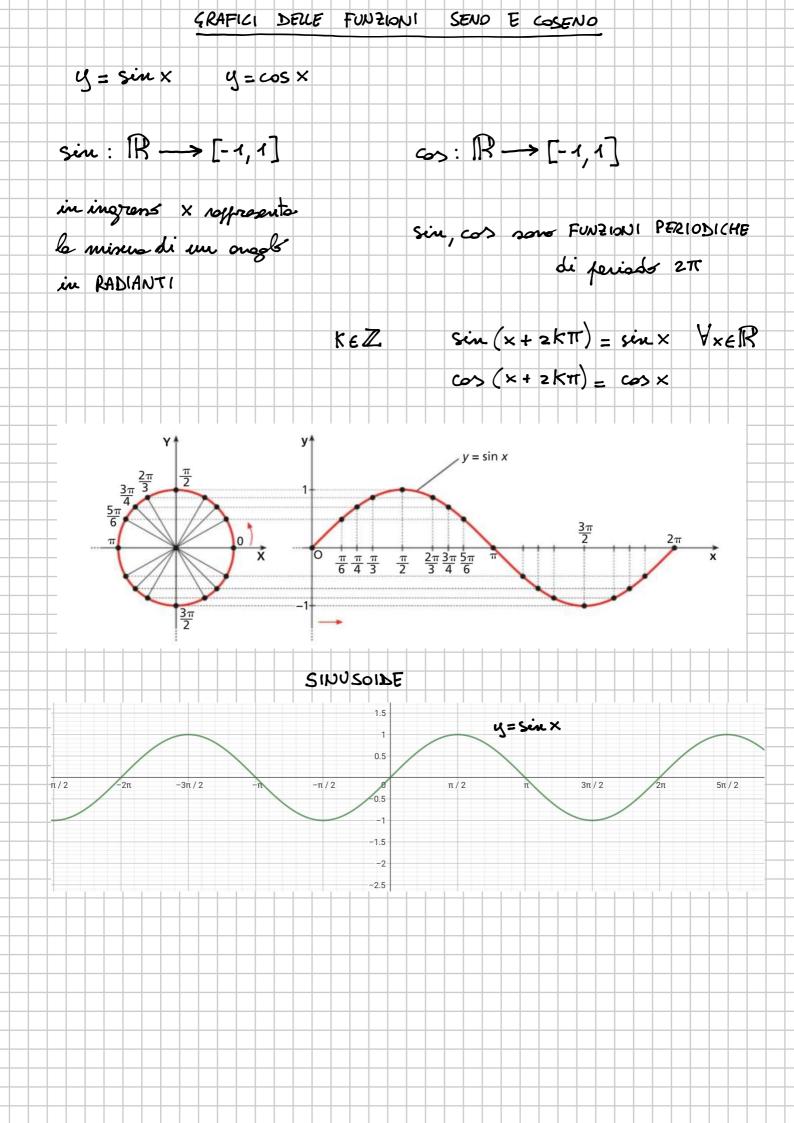
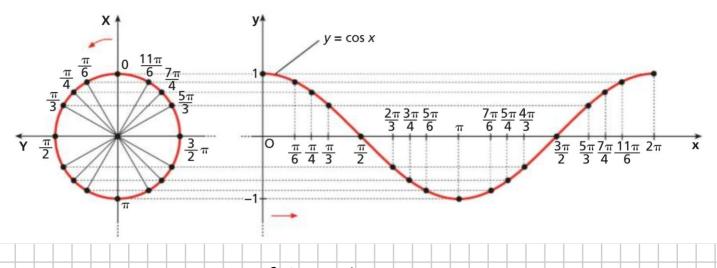
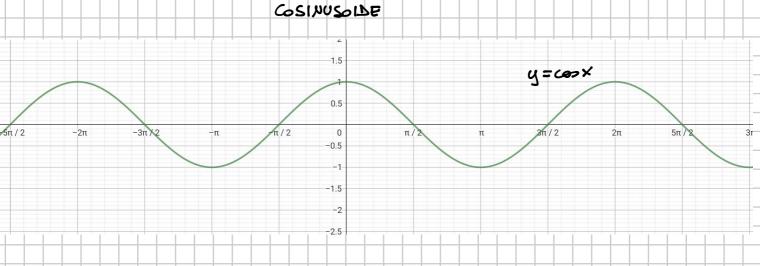
$$\frac{\cos\left(\frac{9}{2}\pi + \alpha\right) + \sin\left(-\pi + \alpha\right) + \cos\left(\alpha - 5\pi\right)}{2\cos\left(\frac{\pi}{2} + 2\alpha\right) + \sin\left(\frac{3}{2}\pi - \alpha\right) + 4}, \quad \cos\alpha = \frac{3}{2}\pi.$$

$$\begin{array}{c}
\cos \left(\frac{2\pi}{2}\pi + \frac{2\pi}{2}\pi\right) + \sin\left(-\pi + \frac{2\pi}{2}\pi\right) + \cos\left(\frac{2\pi}{2}\pi - 3\pi\right) \\
= 2\cos\left(\frac{\pi}{2} + 2 \cdot \frac{2\pi}{2}\pi\right) + \sin\left(\frac{2\pi}{2} + 2 \cdot \frac{2\pi}{2}\pi\right) + 4
\\
= \cos\left(-\frac{\pi}{2}\pi\right) + \sin\left(\frac{\pi}{2}\right) + \cos\left(\frac{\pi}{2}\pi\right) \\
= 2\cos\left(\frac{\pi}{2}\pi\right) + 4
\\
= \frac{1+1+0}{2}$$

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







Trova il dominio delle seguenti funzioni.

134
$$y = \frac{\sqrt{1 + \sin x}}{\cos x} \left[x \neq \frac{\pi}{2} + k\pi \right]$$
 135 $y = \frac{2}{\sin x}$ $\left[x \neq k\pi \right]$ 136 $y = \frac{1}{\sqrt{1 - \cos x}}$ $\left[x \neq 2k\pi \right]$

$$y = \frac{\sqrt{1+\sin x}}{\cos x}$$

$$(\cos x \neq 0)$$

$$\int \sin x \Rightarrow -1 \rightarrow \forall x \in \mathbb{R}$$

$$x \neq \frac{\pi}{2} + k\pi$$

$$D = \left\{x \in \mathbb{R} \mid x \neq \frac{\pi}{2} + k\pi, k \in \mathbb{Z}\right\}$$

$$y = \frac{1}{\sin x}$$

$$x \neq k\pi$$

$$0 = \frac{1}{\sqrt{1-\cos x}}$$

$$(\cos x \neq 0)$$

$$(\cos x \neq 1)$$

$$(\cos x \Rightarrow 1)$$