$$2\cos\left(x - \frac{\pi}{4}\right) + \sin\left(x - \frac{\pi}{6}\right) + 4\cos\left(\frac{7}{4}\pi + x\right) + \cos\left(\frac{\pi}{3} + x\right) - 3\sqrt{2}\sin x =$$

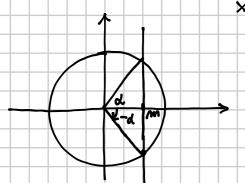
 $[3\sqrt{2}\cos x]$

$$+4\left[\cos\left(\frac{7}{4}\pi\right)\cdot\cos\times-\sin\frac{7}{4}\pi\cdot\sin\times\right]+\cos\pi\cos\times-\sin\frac{\pi}{3}\sin\times-30z\sin\times=$$

=
$$\sqrt{2}$$
 cox + $\sqrt{2}$ sin x + $\sqrt{3}$ sin x - $\frac{1}{2}$ cox x + 4 $\left[\cos\left(2\pi - \frac{\pi}{4}\right) \cdot \cos\right] \times -$

$$-\sin\left(2\pi - \frac{\pi}{4}\right)\cdot\sin\left(2\pi - \frac$$

=
$$\sqrt{2}\cos x + \sqrt{2}\sin x + 2\sqrt{2}\cos x + 2\sqrt{2}\sin x - 3\sqrt{2}\sin x =$$



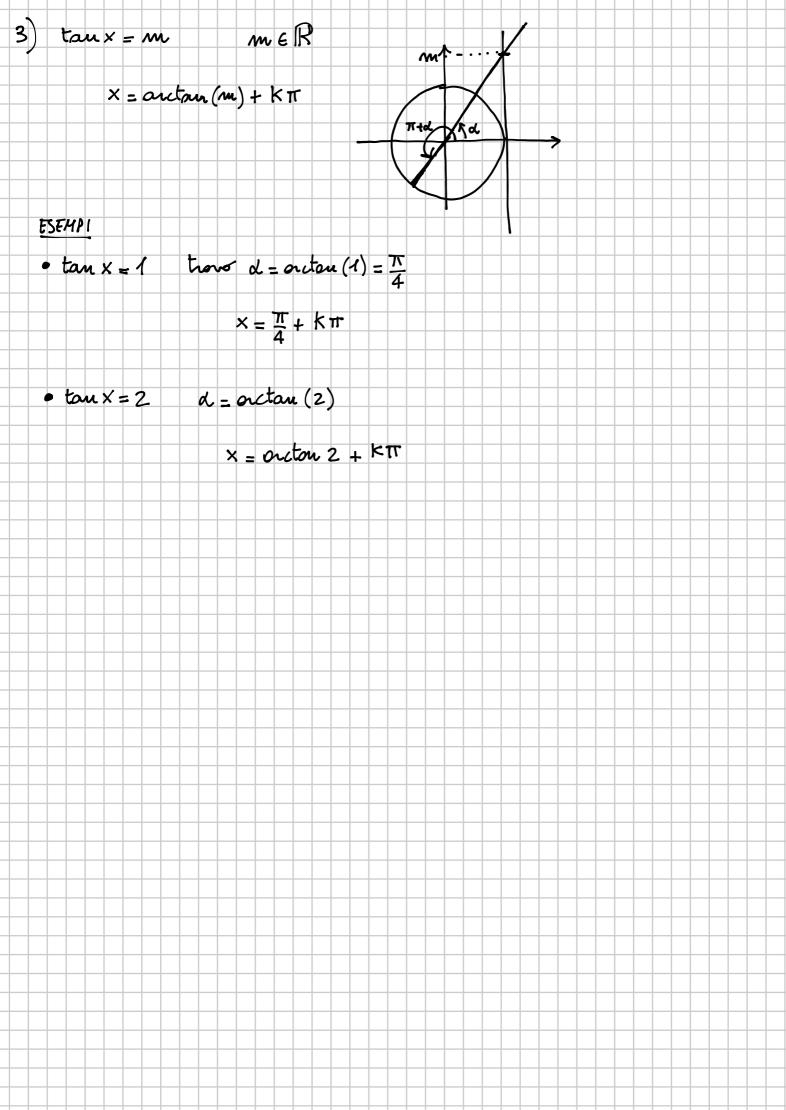
$$X = \alpha + 2 K \pi \quad V \quad X = -\alpha + 2 K \pi$$

•
$$\cos x = \frac{\sqrt{3}}{2}$$
 trovo un anglo d'il cui cosero è $\frac{\sqrt{3}}{2}$ (ad

es.
$$\angle = \arccos \frac{\sqrt{3}}{2} = \frac{\pi}{6}$$

$$x = \pm \frac{\pi}{6} + 2k\pi$$
 $k = 0, \pm 1, \pm 2, \pm 3, \dots \in \mathbb{Z}$

$$= \left\{ \frac{\pi}{6}, -\frac{\pi}{6}, \frac{13\pi}{6}, -\frac{13\pi}{6}, \dots \right\}$$



$$2 \sin \frac{x}{3} + \sqrt{3} = 0 \qquad [-\pi + 6k\pi, 4\pi + 6k\pi]$$

$$2 \sin \frac{x}{3} = -\frac{\sqrt{3}}{2} \qquad \text{down turner } \alpha \in t.c. \quad \sin \alpha = -\frac{\sqrt{3}}{2}$$

$$\alpha = \arcsin\left(-\frac{\sqrt{3}}{2}\right) = -\arcsin\left(\frac{\sqrt{3}}{2}\right) = -\arcsin\left(\frac{\pi}{2}\right) = -\frac{\pi}{3}$$

$$\frac{x}{3} = -\frac{\pi}{3} + 2\kappa\pi \quad \forall \quad x = 4\pi + 6\kappa\pi$$

$$x = -\pi + 6\kappa\pi \quad \forall \quad x = 4\pi + 6\kappa\pi$$

$$x = -\pi + 6\kappa\pi \quad \forall \quad x = 4\pi + 6\kappa\pi$$

$$x = -\pi + 6\kappa\pi \quad \forall \quad x = 4\pi + 6\kappa\pi$$

$$x = -\pi + 6\kappa\pi \quad \forall \quad x = 4\pi + 6\kappa\pi$$

$$x = -\pi + 6\kappa\pi \quad \forall \quad x = 4\pi + 6\kappa\pi$$

$$x = -\pi + 2\kappa\pi \quad \forall \quad x = 4\pi + 6\kappa\pi$$

$$x = -\pi + 2\kappa\pi \quad \forall \quad x = 4\pi + 2\kappa\pi$$

$$x = -\pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi + 2\kappa\pi \quad \forall \quad x = -\pi + 2\kappa\pi$$

$$-x = \pi +$$

