

$$-3 \operatorname{Sen} x + \cos^2 x = 3$$

$$-3 \operatorname{Sen} x + (1 - \operatorname{Sen}^2 x) = 3$$

$$-\operatorname{Sen}^2 x - 3 \operatorname{Sen} x - 2 = 0$$

$$\operatorname{Sen}^2 x + 3 \operatorname{Sen} x + 2 = 0$$

$$\operatorname{Sen} x = \frac{-3 \pm \sqrt{3^2 - 4 \cdot 1 \cdot 2}}{2 \cdot 1} = \frac{-3 \pm \sqrt{1}}{2} =$$

$$= \frac{-3 \pm 1}{2} = \begin{cases} \rightarrow \frac{-4}{2} = -2 \\ \rightarrow \frac{-2}{2} = -1 \end{cases}$$

$$\operatorname{Sen} x = -2 \implies x = \cancel{\text{Solución}}$$

$$\operatorname{Sen} x = -1 \implies x = 270^\circ + 360^\circ k$$

270° + 360°k ES LA SOLUCIÓN