$$[\pm \frac{\pi}{6} + 2k\pi]$$

$$(\sqrt{3} - 2 \cos x)^2 = 0$$

$$2\omega x = \sqrt{3} \qquad \omega x = \frac{\sqrt{3}}{2}$$

$$\times = \pm \frac{\pi}{6} + 2 K \pi$$

$$2\sin^2 x - 5\sin x + 1 = 2\left(\cos^2 x - \frac{1}{2}\right) \qquad [k\pi]$$

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$$5\sin(\pi - x) + 4 - 2\cos^2 x = 0$$

 $5\sin x + 4 - 2(1 - \sin^2 x) = 0$

$$2 \sin^2 x + 5 \sin x + 2 = 0$$
 $\triangle = 25 - 16 = 9$

$$\frac{8}{4} = -2 \text{ Non Acc.}$$

$$\frac{-\frac{8}{4}}{4} = -\frac{2}{4} = -\frac{1}{2}$$

$$\sin x = -\frac{1}{2}$$
 $x = -\frac{\pi}{6} + 2k\pi$ $V \times = \pi - (-\frac{\pi}{6}) + 2k\pi$

$$X = -\frac{\pi}{6} + 2K\pi \quad V \quad X = \frac{7}{6}\pi + 2K\pi$$

$$221 \quad \sqrt{2} \sin 2x + 2\cos x - \sqrt{2} \sin x - 1 = 0$$

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

$$\sin x = -\frac{1}{\sqrt{2}} = -\frac{\sqrt{2}}{2}$$

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