

3.85

p 5

$$4 \cos x \sin^2 x = \cos x - \sin x$$

$$2 \sin 2x - \cos x = \cos x - \sin x$$

$$\cos x - \cos 3x = \cos x - \sin x$$

$$\cos 3x = \sin x$$

$$\sin\left(\frac{\pi}{2} - 3x\right) = \sin x$$

$$\frac{\pi}{2} - 3x = x + 2k\pi$$

$$x = \frac{\pi}{8} + \frac{\pi k}{2}$$

$$\frac{\pi}{2} - 3x = \pi - x + 2k\pi$$

$$x = -\frac{\pi}{4} + \frac{\pi k}{2}$$