Solve over the interval $[0, 2\pi)$.

□ 1) $2\cos x + \sin 2x = 0$

Solve over the interval $[0, 2\pi)$.

□ 2) $\cos 2x - 7\cos x = 3$

Solve over the interval $[0, 2\pi)$.

☐ 3) $2\sin\frac{\theta}{2} - \sin\theta = 0$

Solve over the interval $[0, 2\pi)$.

☐ 4) $\tan\frac{x}{2} = \sin x$