Solve on the interval [0, 2π).

1) $4\cos^2 x = 5 - 4\sin x$

2) $\tan^2 \theta \cos \theta = \tan^2 \theta$

3) $5\sin x + 1 = 3\sin x$

4) $9\cot^2 x - 3 = 0$

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

6) $\sec x \csc x - 2\csc x = 0$

Find the general solutions.

7) $\cos x \csc^2 x + 3\cos x = 7\cos x$

8) $\sqrt{2}\cos x \sin x = \cos x$

9) $2\cot^4 x - \cot^2 x = 15$

10) $\sqrt{3}\tan\theta - 2\sin\theta\tan\theta = 0$

11) $2\cos x + 4\cos x \sin x = 0$

12) $\csc^2 x - \cot^2 x = 2\cos x$