Section 5.3 – Extra Practice – Solving Trig Equations

Solve the following trig equations and give all possible solutions in the interval $[0, 2\pi)$.

1. $\sin^2\theta = \cos^2\theta$

2. $3\cot^2\theta - 1 = 0$

4. $2\sin^2 x - 3\sin x = -1$

Section 5.3 – Extra Practice – Solving Trig Equations

5. $3\sec^2 x - 4 = 0$

6. $3\tan^3\theta = \tan\theta$

7. $4\cos\theta = 1 + 2\cos\theta$