Trigonometry Worksheet 7

1. Solve $2\sin\theta + 1 = 0$ for $\theta \in [0, 2\pi)$.

2. Solve $2\cos\theta = 1$ for $\theta \in [0, 2\pi)$.

3. Solve $2\tan^2\theta - 6 = 0$ for $\theta \in [0, 2\pi)$.

4. Solve $2\cos\theta = \sqrt{3}$ for $\theta \in [0, 2\pi)$.

5. Solve $\tan\theta + 2 = 1$.

6. Solve $\sin\theta = \sqrt{2} - \sin\theta$.

7. Solve $2\cos^2\theta - 1 = \cos\theta$ for $\theta \in [0, 2\pi)$.

8. Solve $2\cos^2\theta = \sin\theta + 1$ for $\theta \in [0, 2\pi)$.

9. Solve $2\cos(2\theta) = 0$ for $\theta \in [0, 2\pi)$.

10. Solve $\sin(2\theta) = \frac{3}{2}$ for $\theta \in [0, 2\pi)$.