

This is a test pdf.

4. $1 + \sin \theta = 2 \cos^2 \theta$

5. $2 \cos^2 \theta + \cos \theta = 0$

6. $\sin 3\theta = -1$

7. $\sin^2 \theta - 1 = 0$

8. $\cos 2\theta = \frac{1}{2}$

9. $2 \sin^2 \theta - \sin \theta - 1 = 0$

10. $\tan 4\theta = -1$

11. $\tan^2 3x = 3$

12. $\cos \frac{x}{2} = \frac{\sqrt{2}}{2}$