

5E Solving Equations in Radians

1. Solve the equation:

$$4\cos\theta = 2, \quad 0 \leq \theta \leq 2\pi$$

2. Solve the equation:

$$17\cos\theta + 3\sin^2\theta = 13, \quad 0 \leq \theta \leq 2\pi$$

3. Solve the equation:

$$\sin 3\theta = \frac{\sqrt{3}}{2}, \quad 0 \leq \theta \leq 2\pi$$