

Solve the following equations for  $\theta$  on  $[0, 2\pi)$

$$4\sin^2 \theta - 2 = 0$$

Solve the following equations for  $\theta$  on  $[0, 2\pi)$

$$4\cos^2 \theta - 3 = 0$$

Solve the following equations for  $\theta$  on  $[0, 2\pi)$

$$3\tan^2 \theta - 3 = 0$$

Solve the following equations for  $\theta$  on  $[0, 2\pi)$

$$8\sin^2 \theta - 6 = 0$$