

$0 \leq \theta < 2\pi$ のとき、次の方程式を解け。

(1) $2\sin\theta - 1 = 0$

(2) $2\cos\theta + \sqrt{2} = 0$

(3) $\sqrt{3}\tan\theta = 1$

(4) $\sin\left(\theta - \frac{\pi}{3}\right) = -\frac{\sqrt{3}}{2}$

(5) $\cos\left(2\theta + \frac{\pi}{3}\right) = \frac{1}{2}$

(6) $\sqrt{3}\tan\left(\theta + \frac{\pi}{2}\right) = 3$