

$0 \leq \theta < 2\pi$ のとき, 次の方程式と不等式を解け。

(1) $\sin \theta = \frac{1}{\sqrt{2}}$

(2) $2 \cos \theta + 1 = 0$

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

(4) $\sin \theta < -\frac{1}{2}$

(5) $\cos \theta < -\frac{1}{2}$

(6) $\tan \theta < \sqrt{3}$