



$0 \leq \theta < 2\pi$ のとき、次の方程式を解け。

(1) $\sin \theta = \tan \theta$

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

(3) $2 \sin^2 \theta - 3 \cos \theta = 0$

(4) $2 \cos^2 \theta - 3 \sin \theta - 3 = 0$

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

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

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

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

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

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