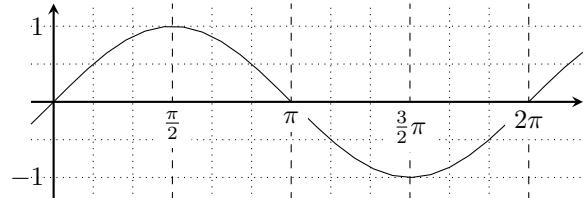


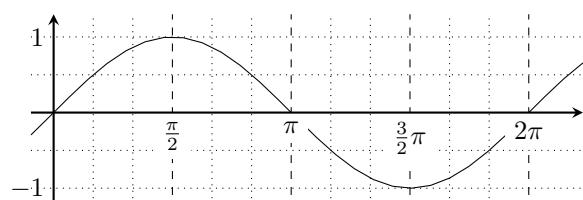
例 1 方程式 $\sin \theta = -\frac{1}{2}$ を満たす θ の値を求めよ。



答

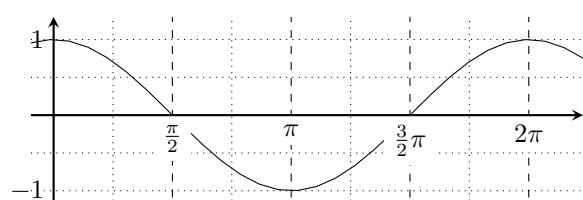
問 1 次の方程式を満たす θ の値を求めよ。

$$(1) \sin \theta = \frac{\sqrt{3}}{2}$$



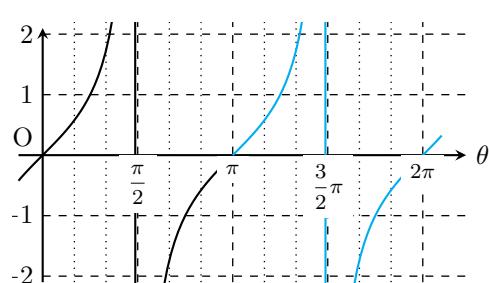
答

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



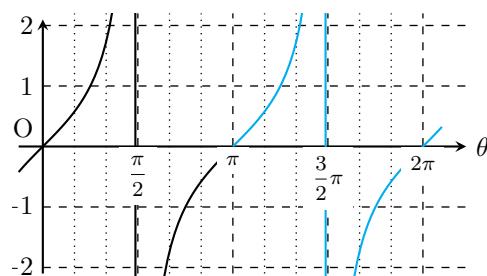
答

例 2 方程式 $\tan \theta = \sqrt{3}$ を満たす θ の値を求めよ。



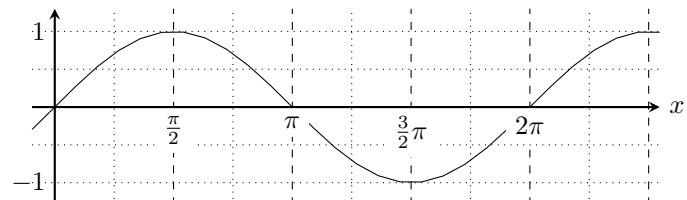
答

問 2 方程式 $\sqrt{3} \tan \theta + 1 = 0$ を満たす θ の値を求めよ。



答

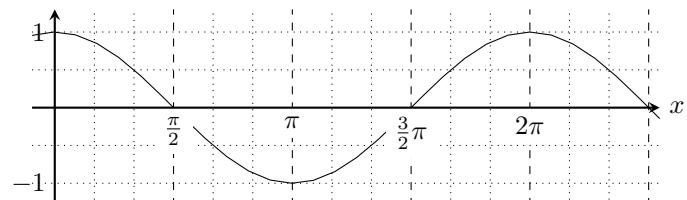
例 3 $0 \leq \theta < 2\pi$ のとき、 $\sin(\theta + \frac{\pi}{4}) = \frac{1}{2}$ を満たす θ を求めよ。



答

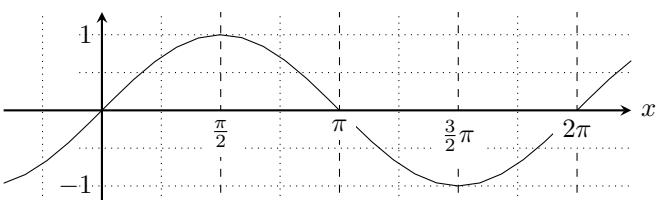
問 3 $0 \leq \theta < 2\pi$ のとき、次の方程式を満たす θ を求めよ。

$$(1) \cos(\theta + \frac{\pi}{3}) = \frac{\sqrt{3}}{2} \quad (0 \leq \theta < 2\pi)$$



答

$$(2) \sin(\theta - \frac{\pi}{4}) = -\frac{1}{2} \quad (0 \leq \theta < 2\pi)$$



答

