1 $0 \leqq \theta < 2\pi$ のとき，次の不等式を解け。

(1) $\sin\theta > \frac{1}{2}$　(2) $\cos\theta \leqq \frac{\sqrt{3}}{2}$　(3) $\tan\theta < -\sqrt{3}$

(4) $\sqrt{2}\sin\theta \leqq -1$　(5) $2\cos\theta + \sqrt{2} > 0$　(6) $\tan\theta + 1 \geqq 0$

(7) $2\sin\theta < -\sqrt{3}$　(8) $\sin\theta < \frac{\sqrt{3}}{2}$　(9) $\cos\theta > \frac{1}{2}$

(10) $\tan\theta < 1$　(11) $\sqrt{2}\sin\theta + 1 \geqq 0$　(12) $\cos\theta \geqq -\frac{1}{2}$

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

2 $0 \leqq \theta < 2\pi$ のとき，次の不等式を解け。

(1) $\sin\left(\theta + \frac{\pi}{4}\right) \leqq \frac{\sqrt{3}}{2}$　(2) $\tan\left(\theta - \frac{\pi}{6}\right) > 1$

(3) $\cos\left(\theta - \frac{\pi}{3}\right) < -\frac{\sqrt{3}}{2}$　(4) $\tan\left(\theta + \frac{\pi}{6}\right) \geqq -\sqrt{3}$

(5) $\sin\left(\theta + \frac{5}{6}\pi\right) \leqq -\frac{1}{\sqrt{2}}$　(6) $\tan\left(\theta - \frac{\pi}{6}\right) > \frac{1}{\sqrt{3}}$

(7) $\sin\left(\theta + \frac{\pi}{6}\right) < \frac{1}{\sqrt{2}}$　(8) $\tan\left(\theta - \frac{\pi}{3}\right) > 1$

3 $0 \leqq \theta < 2\pi$ のとき，次の不等式を解け。

(1) $\cos\left(2\theta + \frac{\pi}{4}\right) < -\frac{\sqrt{3}}{2}$　(2) $\tan\left(2\theta + \frac{\pi}{3}\right) \geqq -\frac{1}{\sqrt{3}}$

(3) $\cos\left(2\theta + \frac{\pi}{3}\right) > \frac{\sqrt{3}}{2}$　(4) $\tan\left(2\theta - \frac{2}{3}\pi\right) \leqq -\sqrt{3}$