| 8 | 小問集合. $0 \le \theta < 2\pi$ とする. 以下の方程式・不等式を解け.

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

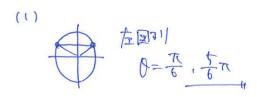
$$(2) \ 2\cos\theta + \sqrt{3} = 0$$

(3)
$$\tan \theta - 1 < 0$$

$$(4) \ 2\sin\left(\theta - \frac{1}{3}\pi\right) + \sqrt{2} = 0$$

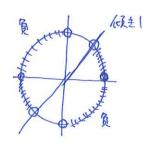
$$(5) \ 2\cos\left(\theta + \frac{1}{4}\pi\right) + \sqrt{3} \le 0$$

(6)
$$\tan\left(\theta - \frac{1}{6}\pi\right) - \sqrt{3} > 0$$



(2)
$$2000 + \sqrt{3} = 0$$

 $000 = -\frac{\sqrt{3}}{2}$
 $0 = \frac{5\pi}{6}\pi, \frac{7\pi}{6}\pi$



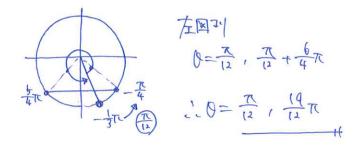
$$\frac{1}{2}\pi$$

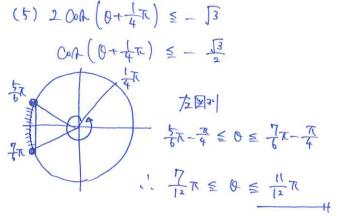
$$0 \le 0 < \frac{\pi}{4}, \frac{\pi}{2} < 0 < \frac{5}{4}\pi,$$

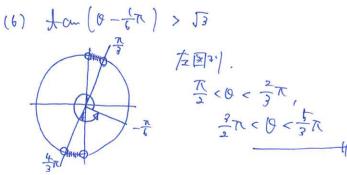
$$\frac{3}{2}\pi < 0 < 2\pi$$

(4)
$$2 \Omega (0 - \frac{1}{3}\pi) = -\sqrt{2}$$

 $\Lambda (0 - \frac{1}{3}\pi) = -\frac{1}{\sqrt{2}}$







基本中の基本。