

sicolo

answers

Last updated: 04-28

- (1) $\sin \frac{2\pi}{3}$
 $= \frac{\sqrt{3}}{2}$
- (2) $\sin(-\frac{\pi}{2})$
 $= -1$
- (3) $\cos \theta = \frac{\sqrt{2}}{2}$
 $(-\pi \leq \theta \leq 0)$
 $\theta = -\frac{\pi}{4}$
- (4) $\log_{\frac{1}{2}} \frac{2}{\sqrt{2}}$
 $= -\frac{1}{2}$
- (5) $\sin \theta = \frac{\sqrt{2}}{2}$
 $(\frac{3\pi}{2} \leq \theta \leq \frac{5\pi}{2})$
 $\theta = \frac{9\pi}{4}$
- (6) $\sin \frac{3\pi}{2}$
 $= -1$
- (7) $\sin 0$
 $= 0$
- (8) $\log_{\frac{\sqrt{3}}{27}} \frac{81}{\sqrt{3}}$
 $= -\frac{7}{5}$
- (9) $\sin \theta = \frac{1}{2}$
 $(\frac{3\pi}{2} \leq \theta \leq \frac{5\pi}{2})$
 $\theta = \frac{13\pi}{6}$
- (10) $\sin \theta = -\frac{\sqrt{3}}{2}$
 $(\frac{3\pi}{2} \leq \theta \leq \frac{5\pi}{2})$
 $\theta = \frac{5\pi}{3}$
- (11) $\sin \theta = \frac{\sqrt{2}}{2}$
 $(\frac{\pi}{2} \leq \theta \leq \frac{3\pi}{2})$
 $\theta = \frac{3\pi}{4}$
- (12) $\sin \theta = 0$
 $(\frac{3\pi}{2} \leq \theta \leq \frac{5\pi}{2})$
 $\theta = 2\pi$
- (13) $\sin(-\frac{5\pi}{6})$
 $= -\frac{1}{2}$
- (14) $\tan(-\frac{\pi}{3})$
 $= -\sqrt{3}$
- (15) $\log_{\frac{1}{5}} \frac{1}{25}$
 $= 2$
- (16) $\tan(-\frac{\pi}{4})$
 $= -1$
- (17) $\log_{\frac{1}{625}} 625$
 $= -1$
- (18) $\tan \theta = \frac{\sqrt{3}}{3}$
 $(\frac{\pi}{2} \leq \theta \leq \frac{3\pi}{2})$
 $\theta = \frac{7\pi}{6}$
- (19) $\tan(-\frac{2\pi}{3})$
 $= \sqrt{3}$
- (20) $\sin \theta = \frac{\sqrt{2}}{2}$
 $(-\frac{\pi}{2} \leq \theta \leq \frac{\pi}{2})$
 $\theta = \frac{\pi}{4}$
- (21) $\sin \frac{\pi}{2}$
 $= 1$
- (22) $\tan(-\frac{\pi}{4})$
 $= -1$
- (23) $\sin \theta = -\frac{\sqrt{2}}{2}$
 $(\frac{\pi}{2} \leq \theta \leq \frac{3\pi}{2})$
 $\theta = \frac{5\pi}{4}$
- (24) $\cos \theta = -1$
 $(-\pi \leq \theta \leq 0)$
 $\theta = -\pi$
- (25) $\sin \theta = -\frac{\sqrt{2}}{2}$
 $(\frac{3\pi}{2} \leq \theta \leq \frac{5\pi}{2})$
 $\theta = \frac{7\pi}{4}$
- (26) $\log_{\frac{625}{\sqrt{5}}} \frac{\sqrt{5}}{625}$
 $= -1$
- (27) $\cos \theta = -\frac{\sqrt{2}}{2}$
 $(\pi \leq \theta \leq 2\pi)$
 $\theta = \frac{5\pi}{4}$
- (28) $\log_{\frac{\sqrt{5}}{125}} 25$
 $= -\frac{4}{5}$
- (29) $\cos \theta = \frac{\sqrt{3}}{2}$
 $(0 \leq \theta \leq \pi)$
 $\theta = \frac{\pi}{6}$
- (30) $\log_{\frac{1}{5}} 1$
 $= 0$
- (31) $\tan \theta = 1$
 $(\frac{\pi}{2} \leq \theta \leq \frac{3\pi}{2})$
 $\theta = \frac{5\pi}{4}$
- (32) $\cos \pi$
 $= -1$
- (33) $\cos \theta = -\frac{\sqrt{2}}{2}$
 $(-\pi \leq \theta \leq 0)$
 $\theta = -\frac{3\pi}{4}$
- (34) $\tan \theta = \sqrt{3}$
 $(\frac{\pi}{2} \leq \theta \leq \frac{3\pi}{2})$
 $\theta = \frac{4\pi}{3}$
- (35) $\sin \theta = -1$
 $(\frac{3\pi}{2} \leq \theta \leq \frac{5\pi}{2})$
 $\theta = \frac{3\pi}{2}$
- (36) $\cos \frac{7\pi}{6}$
 $= -\frac{\sqrt{3}}{2}$
- (37) $\sin \frac{5\pi}{4}$
 $= -\frac{\sqrt{2}}{2}$
- (38) $\sin \frac{7\pi}{4}$
 $= -\frac{\sqrt{2}}{2}$
- (39) $\cos \frac{\pi}{4}$
 $= \frac{\sqrt{2}}{2}$
- (40) $\sin \theta = \frac{\sqrt{2}}{2}$
 $(-\frac{\pi}{2} \leq \theta \leq \frac{\pi}{2})$
 $\theta = \frac{\pi}{4}$

This print is programmed by SANO Satoshi.
My favorite English saying is that
Virtue is its own reward.