

sicolo

answers

Last updated: 02-11

$$(1) \quad \sin \theta = -1 \\ \left(\frac{\pi}{2} \leq \theta \leq \frac{3\pi}{2} \right) \\ \theta = \frac{3\pi}{2}$$

$$(5) \quad \sin \theta = \frac{\sqrt{2}}{2} \\ \left(\frac{\pi}{2} \leq \theta \leq \frac{3\pi}{2} \right) \\ \theta = \frac{3\pi}{4}$$

$$(9) \quad \log_{\frac{1}{2\sqrt{2}}} \frac{1}{4\sqrt{2}} \\ = \frac{5}{3}$$

$$(13) \quad \log_{16} 4 \\ = \frac{1}{2}$$

$$(17) \quad \log_{\frac{\sqrt{3}}{3}} \frac{1}{27} \\ = 6$$

$$(21) \quad \cos \theta = -1 \\ (\pi \leq \theta \leq 2\pi) \\ \theta = \pi$$

$$(25) \quad \sin \theta = \frac{\sqrt{3}}{2} \\ \left(\frac{3\pi}{2} \leq \theta \leq \frac{5\pi}{2} \right) \\ \theta = \frac{7\pi}{3}$$

$$(29) \quad \cos \theta = -\frac{\sqrt{3}}{2} \\ (-\pi \leq \theta \leq 0) \\ \theta = -\frac{5\pi}{6}$$

$$(33) \quad \cos \frac{3\pi}{4} \\ = -\frac{\sqrt{2}}{2}$$

$$(37) \quad \tan \theta = \frac{\sqrt{3}}{3} \\ \left(-\frac{\pi}{2} \leq \theta \leq \frac{\pi}{2} \right) \\ \theta = \frac{\pi}{6}$$

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

$$(6) \quad \cos\left(-\frac{2\pi}{3}\right) \\ = -\frac{1}{2}$$

$$(10) \quad \cos \frac{\pi}{2} \\ = 0$$

$$(14) \quad \log_{\frac{1}{125\sqrt{5}}} \frac{1}{5} \\ = \frac{2}{7}$$

$$(18) \quad \log_{27} 9\sqrt{3} \\ = \frac{5}{6}$$

$$(22) \quad \cos \theta = 1 \\ (-\pi \leq \theta \leq 0) \\ \theta = 0$$

$$(26) \quad \tan \theta = -\frac{\sqrt{3}}{3} \\ \left(-\frac{\pi}{2} \leq \theta \leq \frac{\pi}{2} \right) \\ \theta = -\frac{\pi}{6}$$

$$(30) \quad \sin \theta = -\frac{1}{2} \\ \left(-\frac{\pi}{2} \leq \theta \leq \frac{\pi}{2} \right) \\ \theta = -\frac{\pi}{6}$$

$$(34) \quad \log_{\frac{1}{4\sqrt{2}}} 16 \\ = -\frac{8}{5}$$

$$(38) \quad \cos\left(-\frac{\pi}{4}\right) \\ = \frac{\sqrt{2}}{2}$$

$$(3) \quad \cos\left(-\frac{5\pi}{6}\right) \\ = -\frac{\sqrt{3}}{2}$$

$$(7) \quad \log_4 4\sqrt{2} \\ = \frac{5}{4}$$

$$(11) \quad \cos \theta = -1 \\ (\pi \leq \theta \leq 2\pi) \\ \theta = \pi$$

$$(15) \quad \sin \theta = -\frac{1}{2} \\ \left(\frac{\pi}{2} \leq \theta \leq \frac{3\pi}{2} \right) \\ \theta = \frac{7\pi}{6}$$

$$(19) \quad \sin(-\pi) \\ = 0$$

$$(23) \quad \log_{\frac{1}{8}} \frac{1}{2} \\ = \frac{1}{3}$$

$$(27) \quad \cos \frac{\pi}{6} \\ = \frac{\sqrt{3}}{2}$$

$$(31) \quad \log_8 \frac{\sqrt{2}}{4} \\ = -\frac{1}{2}$$

$$(35) \quad \cos \theta = \frac{\sqrt{3}}{2} \\ (0 \leq \theta \leq \pi) \\ \theta = \frac{\pi}{6}$$

$$(39) \quad \tan \theta = \sqrt{3} \\ \left(-\frac{\pi}{2} \leq \theta \leq \frac{\pi}{2} \right) \\ \theta = \frac{\pi}{3}$$

$$(4) \quad \sin \frac{\pi}{4} \\ = \frac{\sqrt{2}}{2}$$

$$(8) \quad \sin \theta = \frac{\sqrt{2}}{2} \\ \left(-\frac{\pi}{2} \leq \theta \leq \frac{\pi}{2} \right) \\ \theta = \frac{\pi}{4}$$

$$(12) \quad \tan \theta = \frac{\sqrt{3}}{3} \\ \left(\frac{\pi}{2} \leq \theta \leq \frac{3\pi}{2} \right) \\ \theta = \frac{7\pi}{6}$$

$$(16) \quad \sin\left(-\frac{2\pi}{3}\right) \\ = -\frac{\sqrt{3}}{2}$$

$$(20) \quad \sin \theta = \frac{\sqrt{2}}{2} \\ \left(\frac{\pi}{2} \leq \theta \leq \frac{3\pi}{2} \right) \\ \theta = \frac{3\pi}{4}$$

$$(24) \quad \cos \frac{4\pi}{3} \\ = -\frac{1}{2}$$

$$(28) \quad \sin \frac{\pi}{6} \\ = \frac{1}{2}$$

$$(32) \quad \cos \frac{11\pi}{6} \\ = \frac{\sqrt{3}}{2}$$

$$(36) \quad \log_{\frac{1}{27\sqrt{3}}} \frac{1}{27} \\ = \frac{6}{7}$$

$$(40) \quad \sin \frac{5\pi}{3} \\ = -\frac{\sqrt{3}}{2}$$

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