

Find all values for θ , if θ is in the interval $[0^\circ, 360^\circ)$.

$$1.) \sin \theta = -\frac{\sqrt{2}}{2}$$

$$225^\circ, 315^\circ$$

$$2.) \sec \theta = \frac{2\sqrt{3}}{3}$$

$$\cos = \sqrt{3}/2$$

$$30^\circ, 330^\circ$$

$$3.) \tan \theta = \text{undefined}$$

$$\tan = \frac{\sin}{\cos}$$

$$90^\circ, 270^\circ$$

$$4.) \cos \theta = -\frac{1}{2}$$

$$120^\circ, 240^\circ$$

$$5.) \sin \theta = \frac{\sqrt{3}}{2}$$

$$60^\circ, 120^\circ$$

$$6.) \cot \theta = -1$$

$$\cot = \frac{\cos}{\sin}$$

$$\cot = \frac{\sin}{\cos}$$

$$135^\circ, 315^\circ$$

$$7.) \csc \theta = 2$$

$$\sin \frac{1}{2}$$

$$30^\circ, 150^\circ$$

$$8.) \cos \theta = \frac{\sqrt{2}}{2}$$

$$45^\circ, 315^\circ$$

Find all values for θ , if θ is in the interval $[0, 2\pi)$.

9.) $\sec\theta = -\sqrt{2}$
 $\cos = -\frac{\sqrt{2}}{2}$

$$\frac{3\pi}{4}, \frac{5\pi}{4}$$

10.) $\csc\theta = -\frac{2\sqrt{3}}{3}$
 $\sin = -\frac{\sqrt{3}}{2}$

$$\frac{4\pi}{3}, \frac{5\pi}{3}$$

11.) $\cot\theta = -\frac{\sqrt{3}}{3}$

$\tan = \frac{\sqrt{3}}{1}$ or $\cot = -\frac{1}{\sqrt{3}}$

$$\frac{2\pi}{3}, \frac{5\pi}{3}$$

12.) $\sin\theta = -1$

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

13.) $\cos\theta = 1$

$$0$$

14.) $\tan\theta = 0$
 $\frac{\sin}{\cos} = \frac{0}{1}$

$$0, \pi$$

15.) $\sec\theta = \text{undefined}$ $\sec = \frac{1}{0}$
 $\cos = \frac{0}{1} =$

$$\frac{\pi}{2}, \frac{3\pi}{2}$$

16.) $\cot\theta = \sqrt{3}$
 $\tan\theta = \frac{1}{\sqrt{3}}$

$$\frac{\pi}{6}, \frac{7\pi}{6}$$

17.) $\csc\theta = 1$
 $\sin = 1$

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

18.) $\cos\theta = -\frac{\sqrt{3}}{2}$

$$\frac{5\pi}{6}, \frac{7\pi}{6}$$