

Find the exact value for each of the following.

1.) $\sin \frac{5\pi}{3}$

$$\boxed{-\frac{\sqrt{3}}{2}}$$

2.) $\cos 90^\circ$

$$\boxed{0}$$

3.) $\tan \frac{5\pi}{4}$

$$\frac{-\sqrt{2}}{-\sqrt{2}} = \boxed{1}$$

4.) $\csc \frac{\pi}{4}$

$$\frac{2}{\sqrt{2}} = \boxed{\sqrt{2}}$$

5.) $\cot 330^\circ$

$$\frac{\sqrt{3}}{-1} = \boxed{-\sqrt{3}}$$

6.) $\sec \frac{3\pi}{2}$

$$\frac{1}{0} = \boxed{\text{undefined}}$$

7.) $\cos \frac{2\pi}{3}$

$$\boxed{-\frac{1}{2}}$$

8.) $\tan 2\pi$

$$\frac{0}{1} = \boxed{0}$$

9.) $\csc 210^\circ$

$$\frac{-2}{1} = \boxed{-2}$$

10.) $\sin \frac{7\pi}{6}$

$$\boxed{-\frac{1}{2}}$$

11.) $\cot 0^\circ$

$$\frac{1}{0} = \boxed{\text{undefined}}$$

12.) $\sec \frac{\pi}{3}$

$$\frac{2}{1} = \boxed{2}$$

13.) $\tan 150^\circ$

$$-\frac{1}{\sqrt{3}} = \boxed{-\frac{\sqrt{3}}{3}}$$

14.) $\cos \frac{\pi}{6}$

$$\boxed{\frac{\sqrt{3}}{2}}$$

15.) $\sin 0$

$$\boxed{0}$$

16.) $\csc \frac{\pi}{3}$

$$\frac{2}{\sqrt{3}} = \boxed{\frac{2\sqrt{3}}{3}}$$

17.) $\csc 360^\circ$

$$\frac{1}{0} = \boxed{\text{undefined}}$$

18.) $\sec \frac{7\pi}{4}$

$$\frac{2}{\sqrt{2}} = \boxed{\sqrt{2}}$$

19.) $\cos \pi$

$$\boxed{-1}$$

20.) $\sin \frac{3\pi}{4}$

$$\boxed{\frac{\sqrt{2}}{2}}$$

21.) $\cot 135^\circ$

$$-\frac{\sqrt{2}}{\sqrt{2}} = \boxed{-1}$$

22.) $\sec 30^\circ$

$$\frac{2}{\sqrt{3}} = \boxed{\frac{2\sqrt{3}}{3}}$$

23.) $\cot \frac{\pi}{2}$

$$\frac{0}{1} = \boxed{0}$$

24.) $\tan \frac{4\pi}{3}$

$$\frac{-\sqrt{3}}{-1} = \boxed{\sqrt{3}}$$