

Find the following exact values. Do NOT use your calculator or notes.

1. $\sin(45^\circ) = \frac{\sqrt{2}}{2}$

2. $\cos\left(\frac{\pi}{3}\right) = \frac{1}{2}$

3. $\tan(30^\circ) = \frac{1}{\sqrt{3}}$

4. $\cos\left(\frac{\pi}{2}\right) = 0$

5. $\tan(0^\circ) = 0$

6. $\sin(360^\circ) = 0$

7. $\cos\left(\frac{3\pi}{4}\right) = -\frac{\sqrt{2}}{2}$

8. $\sin(225^\circ) = -\frac{\sqrt{2}}{2}$

9. $\tan(315^\circ) = -1$

10. $\cos\left(\frac{\pi}{4}\right) = \frac{\sqrt{2}}{2}$

11. $\tan(150^\circ) = -\frac{1}{\sqrt{3}}$

12. $\cos(210^\circ) = -\frac{\sqrt{3}}{2}$

13. $\cos\left(\frac{11\pi}{6}\right) = \frac{\sqrt{3}}{2}$

14. $\sin\left(\frac{\pi}{6}\right) = \frac{1}{2}$

15. $\tan\left(\frac{\pi}{4}\right) = 1$

16. $\tan(60^\circ) = \sqrt{3}$

17. $\cos(120^\circ) = -\frac{1}{2}$

18. $\tan(300^\circ) = -\sqrt{3}$

19. $\sin\left(\frac{5\pi}{4}\right) = -\frac{\sqrt{2}}{2}$

20. $\sin(-60^\circ) = -\frac{\sqrt{3}}{2}$

21. $\sin(-45^\circ) = -\frac{\sqrt{2}}{2}$

22. $\tan(120^\circ) = -\sqrt{3}$

23. $\tan(225^\circ) = 1$

24. $\cos\left(\frac{5\pi}{3}\right) = \frac{1}{2}$