



Find the **EXACT VALUE** for the following trigonometric functions:

1. $\sin\left(\frac{\pi}{3}\right) = \underline{\hspace{2cm}}$

2. $\tan\left(\frac{7\pi}{6}\right) = \underline{\hspace{2cm}}$

3. $\cos\left(\frac{5\pi}{3}\right) = \underline{\hspace{2cm}}$

4. $\sec\left(\frac{5\pi}{6}\right) = \underline{\hspace{2cm}}$

5. $\csc\left(\frac{10\pi}{3}\right) = \underline{\hspace{2cm}}$

6. $\cot\left(\frac{11\pi}{4}\right) = \underline{\hspace{2cm}}$

7. $\cos\left(\frac{3\pi}{2}\right) = \underline{\hspace{2cm}}$

8. $\sin(3\pi) = \underline{\hspace{2cm}}$

9. $\tan\left(\frac{15\pi}{2}\right) = \underline{\hspace{2cm}}$

10. $\cot\left(\frac{15\pi}{4}\right) = \underline{\hspace{2cm}}$

11. $\sec\left(\frac{17\pi}{3}\right) = \underline{\hspace{2cm}}$

12. $\csc\left(\frac{9\pi}{4}\right) = \underline{\hspace{2cm}}$

13. $\cos\left(\frac{2\pi}{3}\right) = \underline{\hspace{2cm}}$

14. $\tan\left(\frac{13\pi}{4}\right) = \underline{\hspace{2cm}}$

15. $\sin\left(\frac{11\pi}{3}\right) = \underline{\hspace{2cm}}$

16. $\cot\left(\frac{14\pi}{3}\right) = \underline{\hspace{2cm}}$

17. $\sec\left(\frac{19\pi}{6}\right) = \underline{\hspace{2cm}}$

18. $\csc(7\pi) = \underline{\hspace{2cm}}$

19. $\sin\left(\frac{13\pi}{6}\right) = \underline{\hspace{2cm}}$

20. $\tan\left(\frac{23\pi}{4}\right) = \underline{\hspace{2cm}}$

21. $\cos\left(\frac{9\pi}{2}\right) = \underline{\hspace{2cm}}$

22. $\sec\left(\frac{11\pi}{2}\right) = \underline{\hspace{2cm}}$

23. $\csc(6\pi) = \underline{\hspace{2cm}}$

24. $\cot\left(\frac{8\pi}{3}\right) = \underline{\hspace{2cm}}$

25. $\cos\left(\frac{11\pi}{6}\right) =$ _____

26. $\cot\left(\frac{-13\pi}{6}\right) =$ _____

27. $\sin(-5\pi) =$ _____

28. $\cot\left(\frac{-5\pi}{3}\right) =$ _____

29. $\cos\left(\frac{-7\pi}{3}\right) =$ _____

30. $\csc\left(\frac{22\pi}{3}\right) =$ _____

31. $\cos\left(\frac{31\pi}{4}\right) =$ _____

32. $\tan\left(\frac{47\pi}{6}\right) =$ _____

33. $\sin\left(\frac{-14\pi}{3}\right) =$ _____

34. $\cot\left(\frac{-13\pi}{4}\right) =$ _____

35. $\sec\left(\frac{-7\pi}{2}\right) =$ _____

36. $\csc\left(\frac{-11\pi}{6}\right) =$ _____