

Using the Unit Circle

Evaluate each of the following:

1. $\sin \frac{2\pi}{3} =$

2. $\sec \left(-\frac{\pi}{3} \right) =$

3. $\tan \left(-\frac{4\pi}{3} \right) =$

4. $\sec \frac{5\pi}{3} =$

5. $\cos \left(-\frac{5\pi}{6} \right) =$

6. $\cot \frac{3\pi}{4} =$

7. $\tan \frac{\pi}{2} =$

8. $\sec \left(-\frac{8\pi}{3} \right) =$

9. $\csc \left(-\frac{\pi}{6} \right) =$

10. $\sin \frac{3\pi}{4} =$

11. $\cot \frac{11\pi}{6} =$

12. $\sin \left(-\frac{3\pi}{2} \right) =$

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

14. $\tan \frac{7\pi}{6} =$

15. $\cos(-5\pi) =$

16. $\sec \frac{\pi}{3} =$

17. $\csc \left(-\frac{7\pi}{2} \right) =$

18. $\sec \frac{2\pi}{3} =$

19. $\sin \frac{14\pi}{2} =$

20. $\tan \left(-\frac{2\pi}{3} \right) =$

21. $\cot \frac{13\pi}{3} =$

22. $\tan \frac{11\pi}{6} =$

23. $\sin \frac{11\pi}{4} =$

24. $\sin \left(-\frac{5\pi}{3} \right) =$

25. $\cos \frac{25\pi}{6} =$

26. $\csc \pi =$

27. $\tan \frac{2\pi}{3} =$

28. $\csc \frac{7\pi}{6} =$

29. $\cot \frac{\pi}{6} =$

30. $\sec \left(-\frac{7\pi}{6} \right) =$