

PreCalculus
Unit Circle Practice

Find the exact value of each below. Rationalize any denominators if possible.

1) $\sin \frac{3\pi}{4} =$ _____

11) $\sec(-4\pi) =$ _____

2) $\sec \frac{3\pi}{2} =$ _____

12) $\cos \frac{2\pi}{3} =$ _____

3) $\cos \frac{5\pi}{3} =$ _____

13) $\tan\left(-\frac{11\pi}{4}\right) =$ _____

4) $\cot \frac{7\pi}{3} =$ _____

14) $\sin \frac{4\pi}{3} =$ _____

5) $\sin\left(-\frac{37\pi}{6}\right) =$ _____

15) $\tan \frac{5\pi}{6} =$ _____

6) $\sec\left(\frac{3\pi}{4}\right) =$ _____

16) $\cot \frac{3\pi}{2} =$ _____

7) $\cos(-3\pi) =$ _____

17) $\csc \frac{11\pi}{6} =$ _____

8) $\csc \frac{29\pi}{6} =$ _____

18) $\sin(7\pi) =$ _____

9) $\cos \frac{5\pi}{6} =$ _____

19) $\sec\left(-\frac{\pi}{3}\right) =$ _____

10) $\tan\left(\frac{5\pi}{3}\right) =$ _____

20) $\cot\left(-\frac{5\pi}{4}\right) =$ _____