

Find each of the following. Round your answer to 4 decimal places.

1.  $\sin 198^\circ 14' 17''$

2.  $\cos (-239.43^\circ)$

3.  $\tan \frac{17\pi}{19}$

4.  $\cot 281.29^\circ$

5.  $\sec\left(-\frac{5\pi}{7}\right)$

6.  $\csc 16^\circ 29'$

7.  $\sin 4.8$

8.  $\cos\left(\frac{15\pi}{8}\right)$

9.  $\tan (-39.72^\circ)$

10.  $\csc\left(-\frac{7\pi}{3}\right)$

11.  $\sec 29^\circ 42' 37''$

12.  $\cot (-2.3)$

13.  $\cos 5.9$

14.  $\csc (-3.7)$

15.  $\cot (-143^\circ 42' 57'')$

Find the measure of each angle  $\theta$  in degrees . Round your answer to the nearest minute.

16.  $\cos \theta = -0.8123$

17.  $\tan \theta = 2.1091$

18.  $\csc \theta = 1.1033$

19.  $\cot \theta = -0.7523$

20.  $\sec \theta = -1.1173$

21.  $\sin \theta = -0.5146$

Find the measure of each angle  $\theta$  in degrees . Round your answer to hundredths place.

22.  $\sin \theta = 0.9572$

23.  $\tan \theta = 0.4046$

24.  $\sec \theta = 2.5673$

25.  $\cos \theta = -0.5432$

26.  $\csc \theta = -1.2345$

27.  $\cot \theta = 0.9876$