

Evaluating Trigonometric Functions #1

Name _____
Block _____

key

Evaluate each of the following trigonometric functions **without** using your calculator!

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

13. $\cos(0^\circ) = 1$

2. $\cos\left(\frac{7\pi}{3}\right) = \frac{1}{2}$

14. $\sin(\pi) = 0$

3. $\tan(45^\circ) = 1$

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

4. $\cos(-300^\circ) = \frac{1}{2}$

16. $\tan\left(\frac{13\pi}{4}\right) = 1$

5. $\sin\left(\frac{-13\pi}{6}\right) = -\frac{1}{2}$

17. $\cos(240^\circ) = -\frac{1}{2}$

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

18. $\csc\left(\frac{3\pi}{2}\right) = -1$

7. $\csc\left(\frac{\pi}{6}\right) = 2$

19. $\sec(180^\circ) = -1$

8. $\cot\left(\frac{7\pi}{4}\right) = -1$

20. $\sin(135^\circ) = \frac{\sqrt{2}}{2}$

9. $\sin(120^\circ) = \frac{\sqrt{3}}{2}$

21. $\cot\left(\frac{-3\pi}{4}\right) = 1$

10. $\cot(315^\circ) = -1$

22. $\csc\left(\frac{-7\pi}{6}\right) = 2$

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

23. $\cos(60^\circ) = \frac{1}{2}$

12. $\cos(-90^\circ) = 0$

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