

Unit Circle & Trigonometry Review

Practice.

Use your unit circle to find the values.

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

2. $\cos \frac{3\pi}{4}$

3. $\tan \frac{7\pi}{6}$

4. $\sec \frac{2\pi}{3}$

5. $\csc 2\pi$

6. $\sin x = \frac{1}{2}$

7. $\cos x = -1$

8. $\tan x = \sqrt{3}$

Use your calculator to solve for x.

9. $\sin 3.2\pi = x$

10. $\cos (-0.2\pi) = x$

11. $\sec (1.4\pi) = x$

12. $\tan x = 3.26$

13. $\sin x = 0.329$

14. $\sec x = 5.16$

15. $\cot x = -0.412$

Simplify.

16. $\frac{\sin^2 x + \cos^2 x}{\sin x} =$

17. $\frac{2\pi}{\sin^2 \pi + \cos^2 \pi} =$

18. $(\sin^2 7\pi + \cos^2 7\pi) + (\sin^2 3\pi + \cos^2 3\pi) =$