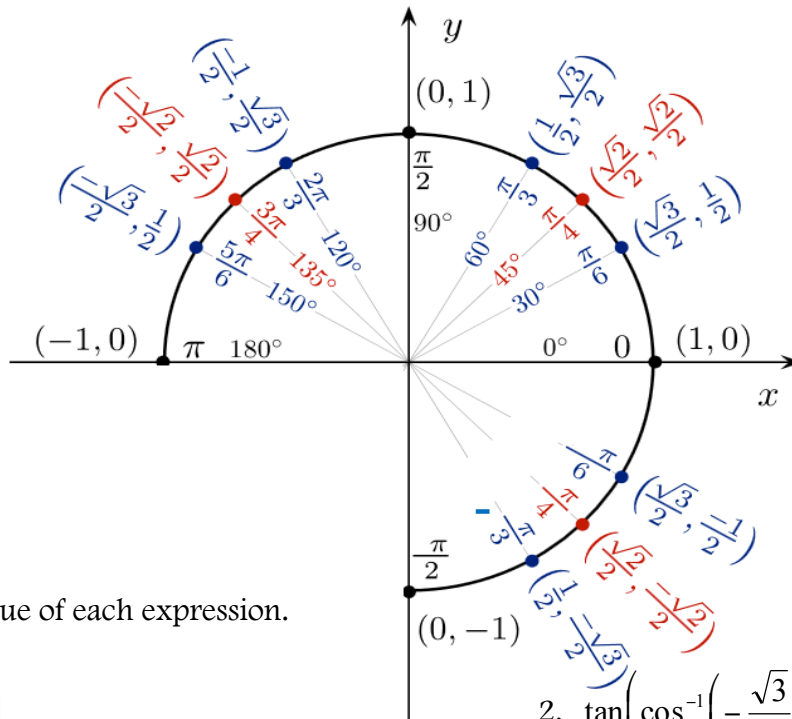


Trigonometric Functions Task: Inverse Trig Functions

Name _____

Date _____



Find the exact value of each expression.

1. $\cos\left(\sin^{-1}\frac{\sqrt{2}}{2}\right)$

2. $\tan\left(\cos^{-1}\left(-\frac{\sqrt{3}}{2}\right)\right)$

3. $\sec\left(\cos^{-1}\frac{1}{2}\right)$

4. $\sin(\tan^{-1}(-1))$

5. $\csc\left(\cos^{-1}\frac{\sqrt{3}}{2}\right)$

6. $\cos^{-1}\left(\cos\frac{5\pi}{4}\right)$

7. $\tan^{-1}\left(\cot\frac{2\pi}{3}\right)$

8. $\sin^{-1}(\cos\pi)$

9. $\csc(\tan^{-1}\sqrt{3})$

10. $\sec\left(\sin^{-1}\left(-\frac{1}{2}\right)\right)$