

Section 4.6 Continued

Calculate the exact value of the inverse function geometrically.

1. $\cos(\tan^{-1} \frac{4}{3})$

2. $\tan(\sin^{-1}(\frac{-2}{3}))$

3. $\sec(\sin^{-1} \frac{15}{17})$

4. $\cot(\csc^{-1}(\frac{-13}{12}))$

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

6. $\sin(\sin^{-1} 2)$

7. $\cos^{-1}(\cos \frac{\pi}{3})$

8. $\cos(\cos^{-1} \frac{1}{2})$