

162 Quiz 11

Name _____

Find the exact values of the following:

1. $\sin^{-1}(0)$

2. $\cos^{-1}(0)$

3. $\tan^{-1}(0)$

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

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

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

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

8. $\tan^{-1}(1)$

9. The domain of arcsine is _____ and the range is _____

10. The domain of arccosine is _____ and the range is _____.

11. Find $\sin^{-1}\left(\sin\left(\frac{5\pi}{6}\right)\right)$

12. Find $\tan\left(\sin^{-1}\left(\frac{3}{5}\right)\right)$

13. Find $\tan\left(\sin^{-1}(x)\right)$