§7.2 Inverse Trigonometric Functions (cont.)

Compositions of Functions

If possible find the exact value.

Example

a.) $\sin\left[\tan^{-1}\dfrac{1}{2}\right]$

b.) $\cos\left[\sin^{-1}\left(\dfrac{-1}{3}\right)\right]$

c.) $\tan\left[\cos^{-1}\left(\dfrac{-1}{3}\right)\right]$