The Inverse Trigonometric Functions (Continued)

1. Find the exact value of each expression
(Similar to p.198 #10)

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

2. Find the exact value of each expression
(Similar to p.198 #16)

$$\csc\left(\tan^{-1}\left(-\sqrt{3}\right)\right)$$

3. Find the exact value of each expression
(Similar to p.198 #24)

$$\sin^{-1}\left(\cot\left(\frac{-3\pi}{4}\right)\right)$$

4. Find the exact value of each expression
(Similar to p.198 #27) NEXT TIME

$$\sec\left(\tan^{-1}\left(-5\right)\right)$$

5. Find the exact value of each expression
(Similar to p.198 #28)

$$\cos\left(\sin^{-1}\left(\frac{\sqrt{3}}{7}\right)\right)$$

6. Find the exact value of each expression
(Similar to p.198 #38)

$$\cot^{-1}\left(-\sqrt{3}\right)$$

7. Find the exact value of each expression
(Similar to p.198 #44)

$$\csc^{-1}\left(-\sqrt{2}\right)$$

8. Use a calculator to find the value of each expression rounded to two decimal places
(Similar to p.199 #46)
Note: Be sure to check to see if answer is valid for original inverse trig function! May have to add something…

$$\csc^{-1}(7)$$

9. Use a calculator to find the value of each expression rounded to two decimal places
(Similar to p.199 #54)
Note: Be sure to check to see if answer is valid for original inverse trig function! May have to add something…

$$\sec^{-1}\left(\frac{-5}{4}\right)$$

10. Use a calculator to find the value of each expression rounded to two decimal places
(Similar to p.199 #56)
Note: Be sure to check to see if answer is valid for original inverse trig function! May have to add something…

$$\cot^{-1}\left(\frac{-5}{2}\right)$$

10. Write each trigonometric expression as an algebraic expression in "u"
(Similar to p.199 #60)

$$\tan\left(\cos^{-1}(u+2)\right)$$

11. Write each trigonometric expression as an algebraic expression in “u”
(Similar to p.199 #66)

$$\cot\left(\sec^{-1}\left(u-3\right)\right)$$