

Name : _____

Evaluate

T1S1

Evaluate the following.

1) $\operatorname{cosec}^{-1}\left(\tan\left(\frac{71\pi}{4}\right)\right)$

2) $\sec^{-1}\left(\operatorname{cosec}\left(\frac{4\pi}{3}\right)\right)$

3) $\cos^{-1}\left(\cos\left(-6\pi\right)\right)$

$\sec^{-1}\left(\sec\left(-6\pi\right)\right)$

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

$\cos\left(\frac{\pi}{2}\right)$

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 $\frac{5\pi}{6}$ $\sec(-6\pi)$ $\frac{\pi}{6}$ $\sin\left(\frac{\pi}{2}\right)$ $\frac{\pi}{4}$

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