

**Evaluate**

T1S3

Evaluate the following.

1)  $\sin^{-1}\left(\cot\left(\frac{21\pi}{2}\right)\right)$

2)  $\cos^{-1}\left(\sin\left(-\frac{37\pi}{6}\right)\right)$

3)  $\operatorname{cosec}^{-1}\left(\cot\left(\frac{11\pi}{4}\right)\right)$

5)  $\sec^{-1}\left(\sec\left(\frac{23\pi}{3}\right)\right)$

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