Question

The range of $y = \text{Arcsin } x$ is $\left(-\dfrac{\pi}{2}, \dfrac{\pi}{2}\right)$.

True

False

Answer: True.

Question

Evaluate $\text{arcsec } 2$.

$\left\{\dfrac{\pi}{3} \pm 2\pi n, \dfrac{5\pi}{3} \pm 2\pi n\right\}$

$\dfrac{\pi}{3}$

$\left\{\dfrac{\pi}{6}, \dfrac{5\pi}{6}\right\}$

$\left\{\dfrac{\pi}{4} \pm 2\pi n, \dfrac{3\pi}{4} \pm 2\pi n\right\}$

Answer: $\dfrac{\pi}{3}$.

Question

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

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Answer: 1.