

Answer on Question #58922 – Math – Trigonometry

Question

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

True

False

Answer: True.

Question

Evaluate $\text{arcsec } 2$.

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

$$\frac{\pi}{3}$$

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

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

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

Question

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

Answer: 1.