

Exercise 126

Evaluate the following functional values.

$$\sec\left(\frac{\pi}{6}\right)$$

Solution

$$\begin{aligned}\sec\left(\frac{\pi}{6}\right) &= \frac{1}{\cos\left(\frac{\pi}{6}\right)} \\ &= \frac{1}{\frac{\sqrt{3}}{2}} \\ &= \frac{2}{\sqrt{3}}\end{aligned}$$