

Exercise 125

Evaluate the following functional values.

$$\sin\left(-\frac{3\pi}{4}\right)$$

Solution

Sine is an odd function, so

$$\begin{aligned}\sin\left(-\frac{3\pi}{4}\right) &= -\sin\left(\frac{3\pi}{4}\right) \\ &= -\frac{1}{\sqrt{2}}.\end{aligned}$$