

Exercise 6

If $f(x) = x^3 - 2$, evaluate $f(i)$.

Solution

Plug in i wherever x is.

$$\begin{aligned} f(i) &= (i)^3 - 2 \\ &= i^2 \cdot i - 2 \\ &= (-1) \cdot i - 2 \\ &= -i - 2 \\ &= -2 - i \end{aligned}$$