

**Exercise 5**

If  $f(x) = x^2 + x - 4$ , evaluate  $f(2i)$ .

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**Solution**

Plug in  $2i$  wherever  $x$  is.

$$\begin{aligned} f(2i) &= (2i)^2 + (2i) - 4 \\ &= (4i^2) + 2i - 4 \\ &= -4 + 2i - 4 \\ &= -8 + 2i \end{aligned}$$