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The function f is defined by $f(x) = e^x + 1$ for $x \in \mathbb{R}$

Find an expression for $f^{-1}(x)$

Tick (✓) **one** box.

[1 mark]

$$f^{-1}(x) = \ln(x - 1)$$

☐

$$f^{-1}(x) = \ln(x) - 1$$

☐

$$f^{-1}(x) = \frac{1}{e^x + 1}$$

☐

$$f^{-1}(x) = \frac{x - 1}{e}$$

☐