

Higher Maths  
SQA 2017 Paper 1  
Question 6



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A function,  $h$ , is defined by  $h(x) = x^3 + 7$ , where  $x \in \mathbb{R}$ .

Determine an expression for  $h^{-1}(x)$ .

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Answer:

$$h^{-1}(x) = \sqrt[3]{x-7} \quad \text{or}$$

$$h^{-1}(x) = (x-7)^{\frac{1}{3}}$$