

4		$y = x^3 - 4 \quad x \leftrightarrow y$ $x = y^3 - 4$ $\Rightarrow x + 4 = y^3$ $\Rightarrow y = \sqrt[3]{x+4} \text{ so } f^{-1}(x) = \sqrt[3]{x+4}$ range of f is $-5 \leq y \leq 4$ so domain of f^{-1} is $-5 \leq x \leq 4$ range is $-1 \leq y \leq 2$	M1 A1 M1 A1 B1 [5]	1.1 1.1 1.1 1.2 1.1	attempt to invert accept $y = \sqrt[3]{x+4}$ but not $x = \sqrt[3]{y+4}$ May be implied or $[-5, 4]$ or $-1 \leq f^{-1}(x) \leq 2$ or $[-1, 2]$	
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