

Higher Maths  
SQA 2022 Paper 1  
Question 4



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Differentiate  $y = \sqrt{x^3} - 2x^{-1}$ , where  $x > 0$ .

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Answer:

$$\frac{dy}{dx} = \frac{3}{2}x^{\frac{1}{2}} + 2x^{-2}$$

or equivalent