

Advanced Higher Maths
SQA 2017 Paper
Question 3



On a suitable domain, a function is defined by $f(x) = \frac{e^{x^2-1}}{x^2-1}$.

Find $f'(x)$, simplifying your answer.

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Answer:

$$\frac{2xe^{x^2-1}(x^2-2)}{(x^2-1)^2}$$