LaTeX Dokument

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$\boxed{1}$ (a)

$$f(x) = \ln\left(\frac{1}{x^2}\right)$$

$$\frac{\mathrm{d}f}{\mathrm{d}x} = -2\left(\frac{\mathrm{d}}{\mathrm{d}x}(\ln(x))\right)$$

$$\frac{\mathrm{d}f}{\mathrm{d}x} = \boxed{-\frac{2}{x}}$$