

$$\begin{aligned} 1- & \log x + 5\log x - 3\log y - 2\log x^2 \\ & = \log x + \log x^5 - \log y^3 - \log x^4 \end{aligned}$$

Méthode longue

$$\begin{aligned} & = \log x^6 - \log y^3 - \log x^4 \\ & = \log \frac{x^6}{y^3} - \log_c x^4 \\ & = \log \frac{x^6}{y^3 x^4} \\ & = \log \frac{x^2}{y^3} \end{aligned}$$

Méthode courte

$$\begin{aligned} & = \log \frac{x \quad x^5}{y^3 \quad x^4} \\ & = \log \frac{x^2}{y^3} \end{aligned}$$