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$$\frac{d}{dx} (\ln x - \ln y = y - 4)$$

$$\frac{1}{x} - \frac{1}{y} \frac{dy}{dx} = \frac{dy}{dx}$$

$$\frac{1}{4} - \frac{1}{4} y' = y'$$

$$\frac{1}{4} = \frac{5}{4} y' \quad y' = \frac{1}{5}$$