

EJERCICIO M2BE3062:

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$$\int \frac{\ln(x)}{3x} dx =$$

$$\int f'(x) \cdot [f(x)]^n dx = \frac{[f(x)]^{n+1}}{n+1} + C$$

$$= \frac{1}{3} \int \underbrace{\frac{1}{x}}_{f'(x)} \underbrace{\ln(x)}_{f(x)} = \frac{1}{3} \frac{[\ln x]^2}{2} = \frac{\ln^2 x}{6} + C$$