

EXERCÍCIO 5



5) Seja $y = x \cdot \ln(x)$. Calcule y' .

$$(f \cdot g)' = f' \cdot g + f \cdot g'$$

$$y' = (x)' \cdot \ln x + x \cdot (\ln x)' =$$

$$= 1 \cdot \ln x + \cancel{x} \cdot \frac{1}{\cancel{x}} =$$

$$= \ln x + 1 //$$

$$\ln x = \ln(x)$$