Wolfram

Zinawe

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$$\log_{\sin(x\cdot 5)} x^3$$

$$\frac{\left(\frac{3\cdot x^{(3-1)}\cdot 1}{x^3}\cdot \ln\left(\sin\left(x\cdot 5\right)\right)-\frac{\cos(x\cdot 5)\cdot(1\cdot 5+x\cdot 0)}{\sin(x\cdot 5)}\cdot \ln x^3\right)}{\left(\ln\left(\sin\left(x\cdot 5\right)\right)\right)^2}$$

$$\frac{\left(\frac{3\cdot x^{2}\cdot 1}{x^3}\cdot \ln\left(\sin\left(x\cdot 5\right)\right)-\frac{\cos(x\cdot 5)\cdot(5+x\cdot 0)}{\sin(x\cdot 5)}\cdot \ln x^3\right)}{\left(\ln\left(\sin\left(x\cdot 5\right)\right)\right)^2}$$

$$\frac{\left(\frac{3\cdot x^{2}}{x^3}\cdot \ln\left(\sin\left(x\cdot 5\right)\right)-\frac{\cos(x\cdot 5)\cdot(5+0)}{\sin(x\cdot 5)}\cdot \ln x^3\right)}{\left(\ln\left(\sin\left(x\cdot 5\right)\right)\right)^2}$$

$$\frac{\left(\frac{3\cdot x^{2}}{x^3}\cdot \ln\left(\sin\left(x\cdot 5\right)\right)-\frac{\cos(x\cdot 5)\cdot 5}{\sin(x\cdot 5)}\cdot \ln x^3\right)}{\left(\ln\left(\sin\left(x\cdot 5\right)\right)\right)^2}$$

$$\frac{\left(\frac{3\cdot x^{2}}{x^3}\cdot \ln\left(\sin\left(x\cdot 5\right)\right)-\frac{\cos(x\cdot 5)\cdot 5}{\sin(x\cdot 5)}\cdot \ln x^3\right)}{\left(\ln\left(\sin\left(x\cdot 5\right)\right)\right)^2}$$

$$\frac{\left(\frac{3 \cdot x^2}{x^3} \cdot \ln\left(\sin\left(x \cdot 5\right)\right) - \frac{\cos(x \cdot 5) \cdot 5}{\sin(x \cdot 5)} \cdot \ln x^3\right)}{\left(\ln\left(\sin\left(x \cdot 5\right)\right)\right)^2}$$

$$\frac{\left(\frac{3 \cdot x^2}{x^3} \cdot \ln\left(\sin\left(x \cdot 5\right)\right) - \frac{\cos(x \cdot 5) \cdot 5}{\sin(x \cdot 5)} \cdot \ln x^3\right)}{\left(\ln\left(\sin\left(x \cdot 5\right)\right)\right)^2}$$