

Further Differentiation (Part 1)

6 Differentiating General Logarithmic Functions

1. Differentiate $\log_3 x$ with respect to x .
2. Differentiate $\log_4(2x^2)$ with respect to x .
3. Differentiate $\log_2(3x^3 - 2x^2)$ with respect to x .
4. Differentiate $x^2 \log_4(4x^4 - 3x)$ with respect to x .
5. Differentiate $\sin x \log_8(x^6 - 3x^2)$ with respect to x .



Make sure that you ask for help if you don't understand completely! :)