



derivative

Examples

Random

Assuming "derivative" refers to a computation | Use as a general topic or referring to a mathematical definition or a word instead

function to differentiate: $4^x \sin x$

Also include: differentiation variable

Derivative:

Approximate form

Step-by-step solution

$$\frac{d}{dx}(4^x \sin(x)) = 4^x \cos(x) + (4^x \log(4)) \sin(x)$$

 $\log(x)$ is the natural logarithm

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