"What to say in front of the blackboard" – a brief tutorial

Exercise: Calculate the derivative of **$(x^2 + 12x + 7) * \ln(x^2 + 12x + 7)$**

$[(x^2 + 12x + 7) * \ln(x^2 + 12x + 7)]' =$

the derivative of x square plus twelve x plus seven multiplied by the natural logarithm of x square plus twelve x plus seven

$(2x + 12) * \ln(x^2 + 12x + 7)$ +

using the product rule we obtain: two x plus twelve times the natural logarithm of x square plus twelve x plus seven, plus…

$(x^2 + 12x + 7) * (2x + 12)/ (x^2 + 12x + 7)$

...x square plus twelve x plus seven times two x plus twelve divided by x square plus twelve x plus seven

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