CrIn GeCrIn GeProduction. Supercringe introduction here:

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Let's calculate smth with a given function: f(x, y) = \sin x \cdot y^{2.0000000000}
   Firstly, let's insert all constants and simplify this expression: f(x, y) = \sin x \cdot y^{2.0000000000}
   BRITISH SCIENTISTS WERE SHOCKED, WHEN THEY COUNT IT!!!
   In the point M_0(x_0, y_0) = (3.000000000, 2.000000000) it's value = 0.564480032
   Personally, I've always thought about first derivation of something like that function... Haven't you?
   But now, by using informatics and math skills I feel that I'm prepared enough to calculate it!
   1 step. finding a derivation of:
   While preparing for exams, I learned a lot of new things, for example:
   (y)' = \dots = [\text{top secret}] = \dots =
= 1.0000000000
   2 step. finding a derivation of: y^{2.000000000}
   It's really easy to find:
   (y^{2.0000000000})' = \dots = [\text{top secret}] = \dots =
= 2.0000000000 \cdot y
   3 step. finding a derivation of:
   My roommate mumbled it in his sleep all night:
   (x)' = \dots = [\text{top secret}] = \dots =
= 1.000000000
   4 step. finding a derivation of:
   Sounds logical that it is the same as:
   (\sin x)' = \dots = [\text{top secret}] = \dots =
=\cos x
   5 step. finding a derivation of:
   \sin x \cdot y^{2.00000\bar{0000}}
   For centuries, people have hunted for the secret knowledge that: (\sin x \cdot y^{2.000000000})' = \dots = [\text{top secret}] = \dots =
= \cos x \cdot y^{2.000000000} + 2.000000000 \cdot y \cdot \sin x
   Congratulations! The first derivation of the expression is:
   \cos x \cdot y^{2.000000000} + 2.0000000000 \cdot y \cdot \sin x In the point M_0(x_0, y_0) = (3.000000000, 2.000000000) it's value = -3.395489954
   Let's calculate the 0 derivation of the expression:
   Finally... The 0 derivation of the expression:
   \sin x \cdot y^{2.0000000000}
   BRITISH SCIENTISTS WERE SHOCKED AGAIN, WHEN THEY COUNT THE 0 DERIVATION OF THIS EXPRESSION!!!
   In the point M_0(x_0, y_0) = (3.000000000, 2.000000000) it's value = 0.564480032
   Partial derivation of the expression on the variable x:
    \frac{\partial f}{\partial x} = 4.000000000 \cdot \cos x
   In the point M_0(x_0, y_0) = (3.000000000, 2.000000000) it's value = -3.959970!!!
   Partial derivation of the expression on the variable y:
    \frac{\partial f}{\partial y} = 0.141120008 \cdot 2.0000000000 \cdot y
   In the point M_0(x_0, y_0) = (3.000000000, 2.000000000) it's value = 0.564480 !!!
   Full derivation:
    \sqrt{(4.000000000 \cdot \cos x)^{2.000000000} + (0.141120008 \cdot 2.0000000000 \cdot y)^{2.0000000000}}
   In the point M_0(x_0, y_0) = (3.000000000, 2.000000000) it's value = 4.0000000000 !!!
   Now let's consider the expression as a function of x variable: f(x) = 4.000000000 \cdot \sin x
   Maklorens formula for x \rightarrow x_0 = 3.0000000000:
   f(x) = 0.564480032 + (-3.959969986) \cdot (x - 3.000000000) + (-0.282240016) \cdot (x - 3.000000000)^{2.000000000} + 0.659994998 \cdot (x - 3.000000000)^{3.0000000000}
   Graph f(x) = 4.000000000 \cdot \sin x on the diapasone x \in [-10:10]:
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Tangent equation in the point $x_0 = 0.0000000000$: $f(x) = 4.000000000 \cdot x$ Normal equation in the point $x_0 = 0.0000000000$: $f(x) = (-0.250000000) \cdot (x - 0.000000000) + 0.0000000000$