Cr In Ge Cr In Ge Production. Supercringe introduction here:

 $=3.000 \cdot 2.000 \cdot \sin(x \cdot y) \cdot \cos(x \cdot y) \cdot (y+x)$ 16 step: Finding a derivation of $3.000 \cdot (\sin(x \cdot y))^{2.000} \cdot \cos(x \cdot y) \cdot (y + x)$ I spend the hole of my life to find the answer and finally it's: $(3.000 \cdot (\sin(x \cdot y))^{2.000} \cdot \cos(x \cdot y) \cdot (y + x))' = \dots = [\text{top secret}] = \dots =$ $=3.000 \cdot 2.000 \cdot \sin{(x \cdot y)} \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot \cos{(x \cdot y)} \cdot (y + x) + ((-1.000) \cdot \sin{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)}) \cdot 3.000 \cdot (\sin{(x \cdot y)})^{2.000}$ Let's find the 3 derivation of the expression: 1 step: Finding a derivation of y Even my two-aged sister knows that: $(y)' = \dots = [\text{top secret}] = \dots =$ = 1.0002 step: Finding a derivation of xWhile preparing for exams, I learned a lot of new things, for example: $(x)' = \dots = [\text{top secret}] = \dots =$ = 1.0003 step: Finding a derivation of $x \cdot y$ When I was child, my father always told me: "Remember, son: $(x \cdot y)' = \dots = [\text{top secret}] = \dots =$ = y + x4 step: Finding a derivation of $\sin(x \cdot y)$ Sounds logical that it is the same as: $(\sin(x \cdot y))' = \dots = [\text{top secret}] = \dots =$ $=\cos(x\cdot y)\cdot(y+x)$ 5 step: Finding a derivation of $(\sin(x \cdot y))^{2.000}$ A true prince must know that: $= 2.000 \cdot \sin(x \cdot y) \cdot \cos(x \cdot y) \cdot (y + x)$ 6 step: Finding a derivation of 3.000 My roommate mumbled it in his sleep all night: $(3.000)' = \dots = [\text{top secret}] = \dots =$ 7 step: Finding a derivation of $3.000 \cdot (\sin(x \cdot y))^{2.000}$ My roommate mumbled it in his sleep all night: $(3.000 \cdot (\sin(x \cdot y))^{2.000})' = \dots = [\text{top secret}] = \dots =$ $= 3.000 \cdot 2.000 \cdot \sin(x \cdot y) \cdot \cos(x \cdot y) \cdot (y + x)$ 8 step: Finding a derivation of y If someone asked me that in the middle of the night, I wouldn't hesitate to say: $(y)' = \dots = [\text{top secret}] = \dots =$ = 1.0009 step: Finding a derivation of x A true prince must know that: $(x)' = \dots = [\text{top secret}] = \dots =$ = 1.00010 step: Finding a derivation of $x \cdot y$ My roommate mumbled it in his sleep all night:

 $(x \cdot y)' = \dots = [\text{top secret}] = \dots =$ 11 step: Finding a derivation of $\cos(x \cdot y)$ While preparing for exams, I learned a lot of new things, for example: $(\cos(x \cdot y))' = \dots = [\text{top secret}] = \dots =$ $= (-1.000) \cdot \sin(x \cdot y) \cdot (y + x)$ 12 step: Finding a derivation of 2.000 It's really easy to find: $(2.000)' = \dots = [\text{top secret}] = \dots =$ = 0.00013 step: Finding a derivation of $2.000 \cdot \cos(x \cdot y)$ It's really easy to find: $(2.000 \cdot \cos(x \cdot y))' = \dots = [\text{top secret}] = \dots =$ $=2.000\cdot(-1.000)\cdot\sin\left(x\cdot y\right)\cdot\left(y+x\right)$ 14 step: Finding a derivation of xWhen I was child, my father always told me: "Remember, son: $(x)' = \dots = [\text{top secret}] = \dots =$ = 1.00015 step: Finding a derivation of yWhat if: $(y)' = \dots = [\text{top secret}] = \dots =$ = 1.00016 step: Finding a derivation of y + xIf someone asked me that in the middle of the night, I wouldn't hesitate to say: $(y+x)' = \dots = [\text{top secret}] = \dots =$ = 2.00017 step: Finding a derivation of xthanks to the results of my colleagues' scientific work, I know that: $(x)' = \dots = [\text{top secret}] = \dots =$ = 1.00018 step: Finding a derivation of y A true prince must know that: $(y)' = \dots = [\text{top secret}] = \dots =$

= 1.000

= y + x

= 1.000

= 1.000

= 2.000

= 1.000

= 1.000

= 1.000

= 1.000

= y + x

Man... Just look:

It's really easy to find:

It's simple as fuck:

 $= (-1.000) \cdot \sin(x \cdot y) \cdot (y + x)$

What if:

 $= \cos(x \cdot y) \cdot (y + x)$

It's really easy to find:

3 step: Finding a derivation of $x \cdot y$

 $(x \cdot y)' = \dots = [\text{top secret}] = \dots =$

My roommate mumbled it in his sleep all night:

4 step: Finding a derivation of $\sin(x \cdot y)$

5 step: Finding a derivation of $(\sin(x \cdot y))^{3.000}$

When I was child, my father always told me: "Remember, son:

I spend the hole of my life to find the answer and finally it's:

For centuries, people have hunted for the secret knowledge that:

 $((\sin(x \cdot y))^{3.000})' = \dots = [\text{top secret}] = \dots =$ = $3.000 \cdot (\sin(x \cdot y))^{2.000} \cdot \cos(x \cdot y) \cdot (y + x)$ Let's find **the 2 derivation** of the expression:

1 step: Finding a derivation of xEven my two-aged sister knows that: $(x)' = \dots = [\text{top secret}] = \dots =$

2 step: Finding a derivation of y

 $(y)' = \dots = [\text{top secret}] = \dots =$

3 step: Finding a derivation of y + x

 $(y+x)' = \dots = [\text{top secret}] = \dots =$

4 step: Finding a derivation of y

5 step: Finding a derivation of x

 $(x)' = \dots = [\text{top secret}] = \dots =$

 $(x \cdot y)' = \dots = [\text{top secret}] = \dots =$

6 step: Finding a derivation of $x \cdot y$

7 step: Finding a derivation of $\cos(x \cdot y)$

8 step: Finding a derivation of $\cos(x \cdot y) \cdot (y + x)$

 $(\cos(x \cdot y) \cdot (y+x))' = \dots = [\text{top secret}] = \dots =$ = $(-1.000) \cdot \sin(x \cdot y) \cdot (y+x) \cdot (y+x) + 2.000 \cdot \cos(x \cdot y)$

thanks to the results of my colleagues' scientific work, I know that:

When I was child, my father always told me: "Remember, son:

For centuries, people have hunted for the secret knowledge that:

 $(\cos(x \cdot y))' = \dots = [\text{top secret}] = \dots =$

9 step: Finding a derivation of y

10 step: Finding a derivation of x

11 step: Finding a derivation of $x \cdot y$ I was asked not to tell anyone that: $(x \cdot y)' = \dots = [\text{top secret}] = \dots =$

12 step: Finding a derivation of $\sin(x \cdot y)$

13 step: Finding a derivation of $(\sin(x \cdot y))^{2.000}$ My roommate mumbled it in his sleep all night: $((\sin(x \cdot y))^{2.000})' = \dots = [\text{top secret}] = \dots =$

15 step: Finding a derivation of $3.000 \cdot (\sin(x \cdot y))^{2.000}$

 $(3.000 \cdot (\sin(x \cdot y))^{2.000})' = \dots = [\text{top secret}] = \dots =$

 $(\sin(x \cdot y))' = \dots = [\text{top secret}] = \dots =$

= $2.000 \cdot \sin(x \cdot y) \cdot \cos(x \cdot y) \cdot (y + x)$ 14 step: Finding a derivation of 3.000

 $(3.000)' = \dots = [\text{top secret}] = \dots =$

Even my two-aged sister knows that:

 $(y)' = \dots = [\text{top secret}] = \dots =$

 $(x)' = \dots = [\text{top secret}] = \dots =$

It's really easy to find:

 $= \cos(x \cdot y) \cdot (y + x)$

What if:

= 0.000

 $(y)' = \dots = [\text{top secret}] = \dots =$

 $(\sin(x \cdot y))' = \dots = [\text{top secret}] = \dots =$

= 1.000

19 step: Finding a derivation of y + xA true prince must know that: $(y + x)' = \dots = [\text{top secret}] = \dots =$ = 2.000

20 step: Finding a derivation of yWhen I was child, my father always told me: "Remember, son: $(y)' = \dots = [\text{top secret}] = \dots =$ = 1.000

21 step: Finding a derivation of xFor centuries, people have hunted for the secret knowledge that: $(x)' = \dots = [\text{top secret}] = \dots =$ = 1.000

22 step: Finding a derivation of $x \cdot y$ A true prince must know that: $(x \cdot y)' = \dots = [\text{top secret}] = \dots =$ = y + x23 step: Finding a derivation of $\sin(x \cdot y)$

23 step: Finding a derivation of $\sin(x \cdot y)$ I spend the hole of my life to find the answer and finally it's: $(\sin(x \cdot y))' = \dots = [\text{top secret}] = \dots =$ $=\cos(x\cdot y)\cdot(y+x)$ 24 step: Finding a derivation of -1.000It's simple as fuck: $(-1.000)' = \dots = [\text{top secret}] = \dots =$ = 0.00025 step: Finding a derivation of $(-1.000) \cdot \sin(x \cdot y)$ For centuries, people have hunted for the secret knowledge that: $((-1.000) \cdot \sin(x \cdot y))' = \dots = [\text{top secret}] = \dots =$ $= (-1.000) \cdot \cos(x \cdot y) \cdot (y + x)$ 26 step: Finding a derivation of $(-1.000) \cdot \sin(x \cdot y) \cdot (y + x)$ It's really easy to find: $((-1.000) \cdot \sin(x \cdot y) \cdot (y + x))' = \dots = [\text{top secret}] = \dots =$ $= (-1.000) \cdot \cos(x \cdot y) \cdot (y + x) \cdot (y + x) + 2.000 \cdot (-1.000) \cdot \sin(x \cdot y)$ 27 step: Finding a derivation of $(-1.000) \cdot \sin(x \cdot y) \cdot (y + x) \cdot (y + x)$ It's really easy to find: $((-1.000) \cdot \sin(x \cdot y) \cdot (y + x) \cdot (y + x))' = \dots = [\text{top secret}] = \dots =$ $= ((-1.000) \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot (-1.000) \cdot \sin{(x \cdot y)}) \cdot (y + x) + 2.000 \cdot (-1.000) \cdot \sin{(x \cdot y)} \cdot (y + x)$ 28 step: Finding a derivation of $(-1.000) \cdot \sin(x \cdot y) \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos(x \cdot y)$ I spend the hole of my life to find the answer and finally it's:

 $((-1.000) \cdot \sin(x \cdot y) \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos(x \cdot y))' = \dots = [\text{top secret}] = \dots = ((-1.000) \cdot \sin(x \cdot y) \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos(x \cdot y))' = \dots = [\text{top secret}] = \dots = ((-1.000) \cdot \sin(x \cdot y) \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos(x \cdot y))' = \dots = [\text{top secret}] = \dots = ((-1.000) \cdot \cos(x \cdot y))' = ($

 $= ((-1.000) \cdot \cos(x \cdot y) \cdot (y + x) + 2.000 \cdot (-1.000) \cdot \sin(x \cdot y)) \cdot (y + x) + 2.000 \cdot (-1.000) \cdot \sin(x \cdot y) \cdot (y + x) + 2.000 \cdot (-1.000) \cdot \sin(x \cdot y) \cdot (y + x) \\ 29 \text{ step: Finding a derivation of } ((-1.000) \cdot \sin(x \cdot y) \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos(x \cdot y)) \cdot 3.000 \cdot (\sin(x \cdot y))^{2.000} \\ \text{I was asked not to tell anyone that:} \\ (((-1.000) \cdot \sin(x \cdot y) \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos(x \cdot y)) \cdot 3.000 \cdot (\sin(x \cdot y))^{2.000})' = \dots = [\text{top secret}] = \dots = \\ = (((-1.000) \cdot \cos(x \cdot y) \cdot (y + x) \cdot (y + x) + 2.000 \cdot (-1.000) \cdot \sin(x \cdot y) \cdot (y + x) + 2.000 \cdot (x \cdot y) \cdot (y + x) + 2.000 \cdot (x \cdot y) \cdot (y + x) + 2.000 \cdot (x \cdot y) \cdot (y + x) + 2.000 \cdot (x \cdot y) \cdot (y + x) + 2.000 \cdot (x \cdot y) \cdot (y + x) + 2.000 \cdot (x \cdot y) \cdot (y + x) + 2.000 \cdot (x \cdot y) \cdot (y + x) + 2.000 \cdot (x \cdot y) \cdot (y + x) + 2.000 \cdot (x \cdot y) \cdot (y + x) + 2.000 \cdot (x \cdot y) \cdot (y + x) + 2.000 \cdot (x \cdot y) \cdot (y + x) + 2.000 \cdot (x \cdot y) \cdot (y + x) + 2.000 \cdot (x \cdot y) \cdot (y + x) + 2.000 \cdot (x \cdot y) \cdot (y + x) + 2.000 \cdot (x \cdot y) \cdot (y + x) + 2.000 \cdot (x \cdot y) \cdot (y + x) + 2.000 \cdot (x \cdot y) \cdot (y + x) + 2.000 \cdot (x \cdot y) \cdot (y + x) + 2.0$

I spend the hole of my life to find the answer and finally it's: $(y+x)' = \dots = [\text{top secret}] = \dots =$ = 2.00033 step: Finding a derivation of yIt's really easy to find: $(y)' = \dots = [\text{top secret}] = \dots =$ = 1.00034 step: Finding a derivation of xIt's really easy to find: $(x)' = \dots = [\text{top secret}] = \dots =$ = 1.00035 step: Finding a derivation of $x \cdot y$ It's simple as fuck: $(x \cdot y)' = \dots = [\text{top secret}] = \dots =$ = y + x36 step: Finding a derivation of $\cos(x \cdot y)$ It's simple as fuck: $(\cos(x \cdot y))' = \dots = [\text{top secret}] = \dots =$ $= (-1.000) \cdot \sin(x \cdot y) \cdot (y + x)$

32 step: Finding a derivation of y + x

37 step: Finding a derivation of $\cos(x \cdot y) \cdot (y + x)$

 $(\cos(x \cdot y) \cdot (y+x))' = \dots = [\text{top secret}] = \dots =$ = $(-1.000) \cdot \sin(x \cdot y) \cdot (y+x) \cdot (y+x) + 2.000 \cdot \cos(x \cdot y)$

A true prince must know that:

It's simple as fuck:

 $(x \cdot y)' = \dots = [\text{top secret}] = \dots =$

 $(3.000)' = \dots = [\text{top secret}] = \dots =$

= 0.000

38 step: Finding a derivation of x

My roommate mumbled it in his sleep all night: $(x)' = \dots = [\text{top secret}] = \dots =$ = 1.00039 step: Finding a derivation of y I was asked not to tell anyone that: $(y)' = \dots = [\text{top secret}] = \dots =$ = 1.00040 step: Finding a derivation of y + xI spend the hole of my life to find the answer and finally it's: $(y+x)' = \dots = [\text{top secret}] = \dots =$ = 2.00041 step: Finding a derivation of y It's really easy to find: $(y)' = \dots = [\text{top secret}] = \dots =$ = 1.00042 step: Finding a derivation of xWhat if: $(x)' = \dots = [\text{top secret}] = \dots =$ = 1.00043 step: Finding a derivation of $x \cdot y$ While preparing for exams, I learned a lot of new things, for example: $(x \cdot y)' = \dots = [\text{top secret}] = \dots =$

= y + x44 step: Finding a derivation of $\cos(x \cdot y)$ Even my two-aged sister knows that: $(\cos(x \cdot y))' = \dots = [\text{top secret}] = \dots =$ $= (-1.000) \cdot \sin(x \cdot y) \cdot (y + x)$ 45 step: Finding a derivation of $\cos(x \cdot y) \cdot (y + x)$ What if: $(\cos(x \cdot y) \cdot (y + x))' = \dots = [\text{top secret}] = \dots =$ $= (-1.000) \cdot \sin(x \cdot y) \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos(x \cdot y)$ 46 step: Finding a derivation of yIt's simple as fuck: $(y)' = \dots = [\text{top secret}] = \dots =$ = 1.00047 step: Finding a derivation of xMy roommate mumbled it in his sleep all night: $(x)' = \dots = [\text{top secret}] = \dots =$ = 1.00048 step: Finding a derivation of $x \cdot y$

= y + x49 step: Finding a derivation of $\sin(x \cdot y)$ A true prince must know that: $(\sin(x \cdot y))' = \dots = [\text{top secret}] = \dots =$ $=\cos(x\cdot y)\cdot(y+x)$ 50 step: Finding a derivation of 2.000 My roommate mumbled it in his sleep all night: $(2.000)' = \dots = [\text{top secret}] = \dots =$ = 0.00051 step: Finding a derivation of $2.000 \cdot \sin(x \cdot y)$ A true prince must know that: $(2.000 \cdot \sin(x \cdot y))' = \dots = [\text{top secret}] = \dots =$ $= 2.000 \cdot \cos(x \cdot y) \cdot (y + x)$ 52 step: Finding a derivation of $2.000 \cdot \sin(x \cdot y) \cdot \cos(x \cdot y) \cdot (y + x)$ A true prince must know that: $(2.000 \cdot \sin(x \cdot y) \cdot \cos(x \cdot y) \cdot (y + x))' = \dots = [\text{top secret}] = \dots =$ $= 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot \cos{(x \cdot y)} \cdot (y + x) + ((-1.000) \cdot \sin{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)}) \cdot 2.000 \cdot \sin{(x \cdot y)}$ 53 step: Finding a derivation of 3.000 If someone asked me that in the middle of the night, I wouldn't hesitate to say:

54 step: Finding a derivation of $3.000 \cdot 2.000 \cdot \sin(x \cdot y) \cdot \cos(x \cdot y) \cdot (y + x)$

Finding partical derivations Partial derivation of the expression on the variable x:

 $\frac{\partial f}{\partial x} = 3.000 \cdot (\sin(2.000 \cdot x))^{2.000} \cdot 2.000 \cdot \cos(2.000 \cdot x)$

Partial derivation of the expression on the variable y: $\frac{\partial f}{\partial u} = 3.000 \cdot (\sin(3.142 \cdot y))^{2.000} \cdot 3.142 \cdot \cos(3.142 \cdot y)$

In the point $M_0(x_0, y_0) = (3.142, 2.000)$ it's value = 0.00000!!!

In the point $M_0(x_0, y_0) = (3.142, 2.000)$ it's value = 0.00000 !!!

I spend the hole of my life to find the answer and finally it's: $(3.000 \cdot 2.000 \cdot \sin{(x \cdot y)} \cdot \cos{(x \cdot y)} \cdot (y + x))' = \dots = [\text{top secret}] = \dots =$ $= 3.000 \cdot (2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot \cos{(x \cdot y)} \cdot (y + x) + ((-1.000) \cdot \sin{(x \cdot y)} \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)}) \cdot 2.000 \cdot \sin{(x \cdot y)}$ $= 3.000 \cdot (2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot \cos{(x \cdot y)} \cdot (y + x)$ $= 3.000 \cdot (2.000 \cdot \sin{(x \cdot y)} \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot \cos{(x \cdot y)} \cdot (y + x)$ $= 3.000 \cdot (2.000 \cdot \sin{(x \cdot y)} \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) + ((-1.000) \cdot \sin{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot (y + x) + 2.000 \cdot \cos{(x \cdot y)} \cdot (y + x) \cdot$

If some asked methatin the middle of the night, I wouldn't hesitate to say: $(3.000 \cdot 2.000 \cdot \sin(x \cdot y) \cdot \cos(x \cdot y) \cdot (y + x) \cdot \cos(x \cdot y) \cdot (y + x) \cdot (x \cdot y) \cdot (y + x) + ((-1.000) \cdot \sin(x \cdot y) \cdot (y + x)$

Finding full derivation Full derivation: $\sqrt{\left(3.000 \cdot (\sin{(2.000 \cdot x)})^{2.000} \cdot 2.000 \cdot \cos{(2.000 \cdot x)}\right)^{2.000} + \left(3.000 \cdot (\sin{(3.142 \cdot y)})^{2.000} \cdot 3.142 \cdot \cos{(3.142 \cdot y)}\right)^{2.000}}$ In the point $M_0(x_0, y_0) = (3.142, 2.000)$ it's value = 0.00000 !!!

3 Exploration the expression as a function of the first variable

Now let's consider the expression as a function of x variable: $f(x) = (\sin(2.000 \cdot x))^{3.000}$ **Decomposing on Macloren's formula Maklorens formula for** $x \to x_0 = 3.142$: $f(x) = (-0.000) + 0.000 \cdot (x - 3.142) + (-0.002) \cdot (x - 3.142)^{2.000} + 8.000 \cdot (x - 3.142)^{3.000} + 0.007 \cdot (x - 3.142)^{4.000} + o((x - 3.142)^{4.000})$