

CrInGeCrInGe Production. Super cringe introduction here:
 Let's calculate smth with expression given: $f(x) =$

$$7.000 \cdot x^{4.000}$$

Firstly, let's insert all constants and simplify it:

$$7.000 \cdot x^{4.000}$$

BRITISH SCIENTISTS WERE SHOCKED, WHEN THEY COUNT IT!!! IN
 THE POINT ($x = 3.000$)IT'S VALUE = 567.000 !!!

1 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

2 step: finding a derivation of function:

$$x^{4.000}$$

here it is:

$$4.000 \cdot x^{3.000}$$

3 step: finding a derivation of function:

$$7.000$$

here it is:

$$0.000$$

4 step: finding a derivation of function:

$$7.000 \cdot x^{4.000}$$

here it is:

$$7.000 \cdot 4.000 \cdot x^{3.000}$$

Congratulations! The first derivation of the expression is:

$$7.000 \cdot 4.000 \cdot x^{3.000}$$

IN THE POINT ($x = 3.000$)IT'S VALUE = 756.000 !!!

Let's calculate the 2 derivation of the expression:

Calculating the 1 derivation of the expression:

1 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

$$1$$

2 step: finding a derivation of function:

$$x^{4.000}$$

here it is:

$$4.000 \cdot x^{3.000}$$

3 step: finding a derivation of function:

$$7.000$$

here it is:

$$0.000$$

4 step: finding a derivation of function:

$$7.000 \cdot x^{4.000}$$

here it is:

$$7.000 \cdot 4.000 \cdot x^{3.000}$$

Calculating the 2 derivation of the expression:

1 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

2 step: finding a derivation of function:

$$x^{3.000}$$

here it is:

$$3.000 \cdot x^{2.000}$$

3 step: finding a derivation of function:

$$4.000$$

here it is:

$$0.000$$

4 step: finding a derivation of function:

$$4.000 \cdot x^{3.000}$$

here it is:

$$4.000 \cdot 3.000 \cdot x^{2.000}$$

5 step: finding a derivation of function:

$$7.000$$

here it is:

$$0.000$$

6 step: finding a derivation of function:

$$7.000 \cdot 4.000 \cdot x^{3.000}$$

here it is:

$$7.000 \cdot 4.000 \cdot 3.000 \cdot x^{2.000}$$

Finally... The 2 derivation of the expression:

$$7.000 \cdot 4.000 \cdot 3.000 \cdot x^{2.000}$$

BRITISH SCIENTISTS WERE SHOCKED, WHEN THEY COUNT THE 2 DERIVATION OF THIS EXPRESSION!!! IN THE POINT (x = 3.000)IT'S VALUE = 756.000 !!!

Partial derivation of the expression on the variable 'x':

$$7.000 \cdot 4.000 \cdot x^{3.000}$$

IN THE POINT (x = 3.000) IT'S VALUE = 756.000000 !!!

Full derivation:

$$\sqrt{(7.000 \cdot 4.000 \cdot x^{3.000})^{2.000}}$$

IN THE POINT (x = 3.000)IT'S VALUE = 756.000 !!!

Let's consider the expression as a function of x variable: f(x) =

$$7.000 \cdot x^{4.000}$$

Maklorens formula for x near to 3.000000:

$$567.000 + 756.000 \cdot (x - 3.000) + 378.000 \cdot (x - 3.000)^{2.000} + 84.000 \cdot (x - 3.000)^{3.000}$$

And remainig member is o maloe from:

$$(x - 3.000)^{3.000}$$

Graph f(x):

Tangent equation in point 1.000: f(x) =

$$28.000 \cdot (x - 1.000) + 7.000$$

Normal equation in point 1.000: f(x) =

$$(-0.036) \cdot (x - 1.000) + 7.000$$