

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

$$x^{3.000} \cdot \cos\left(\frac{1.000}{x} + y\right)$$

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

$$x^{3.000} \cdot \cos\left(\frac{1.000}{x} + y\right)$$

BRITISH SCIENTISTS WERE SHOCKED, WHEN THEY COUNT IT!!! IN  
 THE POINT ( $x = 3.000$ ,  $y = 1.000$ ) IT'S VALUE = 6.351 !!!

1 step: finding a derivation of function:

$$y$$

here it is:

$$1.000$$

2 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

3 step: finding a derivation of function:

$$1.000$$

here it is:

$$0.000$$

4 step: finding a derivation of function:

$$\frac{1.000}{x}$$

here it is:

$$\frac{(-1.000) \cdot 1.000}{x^{2.000}}$$

5 step: finding a derivation of function:

$$\left(\frac{1.000}{x} + y\right)$$

here it is:

$$\frac{(-1.000)}{x^{2.000}} + 1.000$$

6 step: finding a derivation of function:

$$\cos\left(\frac{1.000}{x} + y\right)$$

$$1$$

here it is:

$$(-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right)$$

7 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

8 step: finding a derivation of function:

$$x^{3.000}$$

here it is:

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

9 step: finding a derivation of function:

$$x^{3.000} \cdot \cos\left(\frac{1.000}{x} + y\right)$$

here it is:

$$3.000 \cdot x^{2.000} \cdot \cos\left(\frac{1.000}{x} + y\right) + (-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot x^{3.000}$$

Congratulations! The first derivation of the expression is:

$$3.000 \cdot x^{2.000} \cdot \cos\left(\frac{1.000}{x} + y\right) + (-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot x^{3.000}$$

IN THE POINT (x = 3.000, y = 1.000)IT'S VALUE = -16.975 !!!

Let's calculate the 3 derivation of the expression:

Calculating the 1 derivation of the expression:

1 step: finding a derivation of function:

$$y$$

here it is:

$$1.000$$

2 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

3 step: finding a derivation of function:

$$1.000$$

here it is:

$$0.000$$

4 step: finding a derivation of function:

$$\frac{1.000}{x}$$

here it is:

$$\frac{(-1.000) \cdot 1.000}{x^{2.000}}$$

5 step: finding a derivation of function:

$$\left(\frac{1.000}{x} + y\right)$$

here it is:

$$\frac{(-1.000)}{x^{2.000}} + 1.000$$

6 step: finding a derivation of function:

$$\cos\left(\frac{1.000}{x} + y\right)$$

here it is:

$$(-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right)$$

7 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

8 step: finding a derivation of function:

$$x^{3.000}$$

here it is:

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

9 step: finding a derivation of function:

$$x^{3.000} \cdot \cos\left(\frac{1.000}{x} + y\right)$$

here it is:

$$3.000 \cdot x^{2.000} \cdot \cos\left(\frac{1.000}{x} + y\right) + (-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot x^{3.000}$$

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:

$$1.000$$

here it is:

$$0.000$$

4 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

5 step: finding a derivation of function:

$$x^{2.000}$$

here it is:

$$2.000 \cdot x$$

6 step: finding a derivation of function:

$$(-1.000)$$

here it is:

$$0.000$$

7 step: finding a derivation of function:

$$\frac{(-1.000)}{x^{2.000}}$$

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}}$$

8 step: finding a derivation of function:

$$(\frac{(-1.000)}{x^{2.000}} + 1.000)$$

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}}$$

9 step: finding a derivation of function:

$$y$$

here it is:

$$1.000$$

10 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

11 step: finding a derivation of function:

$$1.000$$

here it is:

$$0.000$$

12 step: finding a derivation of function:

$$\frac{1.000}{x}$$

here it is:

$$\frac{(-1.000) \cdot 1.000}{x^{2.000}}$$

13 step: finding a derivation of function:

$$(\frac{1.000}{x} + y)$$

here it is:

$$\frac{(-1.000)}{x^{2.000}} + 1.000$$

14 step: finding a derivation of function:

$$\sin(\frac{1.000}{x} + y)$$

here it is:

$$\cos(\frac{1.000}{x} + y) \cdot (\frac{(-1.000)}{x^{2.000}} + 1.000)$$

15 step: finding a derivation of function:

$$(-1.000)$$

here it is:

$$0.000$$

16 step: finding a derivation of function:

$$(-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right)$$

here it is:

$$(-1.000) \cdot \cos\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right)$$

17 step: finding a derivation of function:

$$(-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right)$$

here it is:

$$(-1.000) \cdot \cos\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}} \cdot (-1.000)$$

18 step: finding a derivation of function:

$$(-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot x^{3.000}$$

here it is:

$$((-1.000) \cdot \cos\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}} \cdot (-1.000)) \cdot x^{3.000}$$

19 step: finding a derivation of function:

$$y$$

here it is:

$$1.000$$

20 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

21 step: finding a derivation of function:

$$1.000$$

here it is:

$$0.000$$

22 step: finding a derivation of function:

$$\frac{1.000}{x}$$

here it is:

$$\frac{(-1.000) \cdot 1.000}{x^{2.000}}$$

23 step: finding a derivation of function:

$$\left(\frac{1.000}{x} + y\right)$$

here it is:

$$\frac{(-1.000)}{x^{2.000}} + 1.000$$

24 step: finding a derivation of function:

$$\cos\left(\frac{1.000}{x} + y\right)$$

here it is:

$$(-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right)$$

25 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

26 step: finding a derivation of function:

$$x^{2.000}$$

here it is:

$$2.000 \cdot x$$

27 step: finding a derivation of function:

$$3.000$$

here it is:

$$0.000$$

28 step: finding a derivation of function:

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

here it is:

$$3.000 \cdot 2.000 \cdot x$$

29 step: finding a derivation of function:

$$3.000 \cdot x^{2.000} \cdot \cos\left(\frac{1.000}{x} + y\right)$$

here it is:

$$3.000 \cdot 2.000 \cdot x \cdot \cos\left(\frac{1.000}{x} + y\right) + (-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot 3.000 \cdot x^{2.000}$$

30 step: finding a derivation of function:

$$3.000 \cdot x^{2.000} \cdot \cos\left(\frac{1.000}{x} + y\right) + (-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot x^{3.000}$$

here it is:

$$3.000 \cdot 2.000 \cdot x \cdot \cos\left(\frac{1.000}{x} + y\right) + (-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot 3.000 \cdot x^{2.000} + ((-1.000) \cdot 3.000 \cdot x^{2.000})$$

Calculating the 3 derivation of the expression:

1 step: finding a derivation of function:

$$1.000$$

here it is:

$$0.000$$

2 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

3 step: finding a derivation of function:

$$x^{2.000}$$

here it is:

$$2.000 \cdot x$$

4 step: finding a derivation of function:

$$(-1.000)$$

here it is:

$$0.000$$

5 step: finding a derivation of function:

$$\frac{(-1.000)}{x^{2.000}}$$



here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}}$$

6 step: finding a derivation of function:

$$(\frac{(-1.000)}{x^{2.000}} + 1.000)$$

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}}$$

7 step: finding a derivation of function:

$$y$$

here it is:

$$1.000$$

8 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

9 step: finding a derivation of function:

$$1.000$$

here it is:

$$0.000$$

10 step: finding a derivation of function:

$$\frac{1.000}{x}$$

here it is:

$$\frac{(-1.000) \cdot 1.000}{x^{2.000}}$$

11 step: finding a derivation of function:

$$(\frac{1.000}{x} + y)$$

here it is:

$$\frac{(-1.000)}{x^{2.000}} + 1.000$$

12 step: finding a derivation of function:

$$\sin(\frac{1.000}{x} + y)$$

here it is:

$$\cos\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right)$$

13 step: finding a derivation of function:

$$(-1.000)$$

here it is:

$$0.000$$

14 step: finding a derivation of function:

$$(-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right)$$

here it is:

$$(-1.000) \cdot \cos\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right)$$

15 step: finding a derivation of function:

$$(-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right)$$

here it is:

$$(-1.000) \cdot \cos\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}} \cdot (-1.000)$$

16 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

17 step: finding a derivation of function:

$$x^{2.000}$$

here it is:

$$2.000 \cdot x$$

18 step: finding a derivation of function:

$$3.000$$

here it is:

$$0.000$$

19 step: finding a derivation of function:

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

here it is:

$$3.000 \cdot 2.000 \cdot x$$

20 step: finding a derivation of function:

$$3.000 \cdot x^{2.000} \cdot (-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right)$$

here it is:

$$3.000 \cdot 2.000 \cdot x \cdot (-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) + ((-1.000) \cdot \cos\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) +$$

21 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

22 step: finding a derivation of function:

$$x^{3.000}$$

here it is:

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

23 step: finding a derivation of function:

$$y$$

here it is:

$$1.000$$

24 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

25 step: finding a derivation of function:

$$1.000$$

here it is:

$$0.000$$

26 step: finding a derivation of function:

$$\frac{1.000}{x}$$

here it is:

$$\frac{(-1.000) \cdot 1.000}{x^{2.000}}$$

27 step: finding a derivation of function:

$$\left(\frac{1.000}{x} + y\right)$$

here it is:

$$\frac{(-1.000)}{x^{2.000}} + 1.000$$

28 step: finding a derivation of function:

$$\sin\left(\frac{1.000}{x} + y\right)$$

here it is:

$$\cos\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right)$$

29 step: finding a derivation of function:

$$(-1.000)$$

here it is:

$$0.000$$

30 step: finding a derivation of function:

$$(-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right)$$

here it is:

$$(-1.000) \cdot \cos\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right)$$

31 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

32 step: finding a derivation of function:

$$(x^{2.000})$$

here it is:

$$2.000 \cdot x$$

33 step: finding a derivation of function:

$$(x^{2.000})^{2.000}$$

here it is:

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

34 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

35 step: finding a derivation of function:

$$2.000$$

here it is:

$$0.000$$

36 step: finding a derivation of function:

$$2.000 \cdot x$$

here it is:

$$2.000$$

37 step: finding a derivation of function:

$$(-1.000)$$

here it is:

$$0.000$$

38 step: finding a derivation of function:

$$(-1.000) \cdot 2.000 \cdot x$$

here it is:

$$-2.000$$

39 step: finding a derivation of function:

$$(-1.000)$$

here it is:

$$0.000$$

40 step: finding a derivation of function:

$$(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x$$

here it is:

$$2.000$$

41 step: finding a derivation of function:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}}$$

here it is:

$$\frac{2.000 \cdot (x^{2.000})^{2.000} - 2.000 \cdot x^{2.000} \cdot 2.000 \cdot x \cdot (-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{((x^{2.000})^{2.000})^{2.000}}$$

42 step: finding a derivation of function:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}} \cdot (-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right)$$

here it is:

$$\frac{2.000 \cdot (x^{2.000})^{2.000} - 2.000 \cdot x^{2.000} \cdot 2.000 \cdot x \cdot (-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{((x^{2.000})^{2.000})^{2.000}} \cdot (-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) + (-1.000) \cdot \cos\left(\frac{1.000}{x} + y\right) \cdot \left(-\frac{1.000}{x^2}\right)$$

43 step: finding a derivation of function:

$$1.000$$

here it is:

$$0.000$$

44 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

45 step: finding a derivation of function:

$$x^{2.000}$$

here it is:

$$2.000 \cdot x$$

46 step: finding a derivation of function:

$$(-1.000)$$

here it is:

$$0.000$$

47 step: finding a derivation of function:

$$\frac{(-1.000)}{x^{2.000}}$$

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}}$$

48 step: finding a derivation of function:

$$(\frac{(-1.000)}{x^{2.000}} + 1.000)$$

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}}$$

49 step: finding a derivation of function:

$$1.000$$

here it is:

$$0.000$$

50 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

51 step: finding a derivation of function:

$$x^{2.000}$$

here it is:

$$2.000 \cdot x$$

52 step: finding a derivation of function:

$$(-1.000)$$

here it is:

$$0.000$$

53 step: finding a derivation of function:

$$\frac{(-1.000)}{x^{2.000}}$$

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}}$$

54 step: finding a derivation of function:

$$(\frac{(-1.000)}{x^{2.000}} + 1.000)$$

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}}$$

55 step: finding a derivation of function:

$$y$$

here it is:

$$1.000$$

56 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

57 step: finding a derivation of function:

$$1.000$$

here it is:

$$0.000$$

58 step: finding a derivation of function:

$$\frac{1.000}{x}$$

here it is:

$$\frac{(-1.000) \cdot 1.000}{x^{2.000}}$$

59 step: finding a derivation of function:

$$(\frac{1.000}{x} + y)$$

here it is:

$$\frac{(-1.000)}{x^{2.000}} + 1.000$$

60 step: finding a derivation of function:

$$\cos(\frac{1.000}{x} + y)$$

here it is:

$$(-1.000) \cdot \sin(\frac{1.000}{x} + y) \cdot (\frac{(-1.000)}{x^{2.000}} + 1.000)$$

61 step: finding a derivation of function:

$$\cos(\frac{1.000}{x} + y) \cdot (\frac{(-1.000)}{x^{2.000}} + 1.000)$$



here it is:

$$(-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}} \cdot \cos\left(\frac{1.000}{x} + y\right)$$

62 step: finding a derivation of function:

$$(-1.000)$$

here it is:

$$0.000$$

63 step: finding a derivation of function:

$$(-1.000) \cdot \cos\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right)$$

here it is:

$$(-1.000) \cdot ((-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000}{(x^{2.000})^{2.000}})$$

64 step: finding a derivation of function:

$$(-1.000) \cdot \cos\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right)$$

here it is:

$$(-1.000) \cdot ((-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000}{(x^{2.000})^{2.000}})$$

65 step: finding a derivation of function:

$$((-1.000) \cdot \cos\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}}) \cdot (-1.000)$$

here it is:

$$(-1.000) \cdot ((-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000}{(x^{2.000})^{2.000}})$$

66 step: finding a derivation of function:

$$((-1.000) \cdot \cos\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}}) \cdot (-1.000)$$

here it is:

$$((-1.000) \cdot ((-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000}{(x^{2.000})^{2.000}})$$

67 step: finding a derivation of function:

$$((-1.000) \cdot \cos(\frac{1.000}{x} + y) \cdot (\frac{(-1.000)}{x^{2.000}} + 1.000) \cdot (\frac{(-1.000)}{x^{2.000}} + 1.000) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}} \cdot (-1.000))$$

here it is:

$$((-1.000) \cdot ((-1.000) \cdot \sin(\frac{1.000}{x} + y) \cdot (\frac{(-1.000)}{x^{2.000}} + 1.000) \cdot (\frac{(-1.000)}{x^{2.000}} + 1.000) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000}{(x^{2.000})^{2.000}}))$$

68 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

69 step: finding a derivation of function:

$$x^{2.000}$$

here it is:

$$2.000 \cdot x$$

70 step: finding a derivation of function:

$$3.000$$

here it is:

$$0.000$$

71 step: finding a derivation of function:

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

here it is:

$$3.000 \cdot 2.000 \cdot x$$

72 step: finding a derivation of function:

$$1.000$$

here it is:

$$0.000$$

73 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

74 step: finding a derivation of function:

$$x^{2.000}$$

here it is:

$$2.000 \cdot x$$

75 step: finding a derivation of function:

$$(-1.000)$$

here it is:

$$0.000$$

76 step: finding a derivation of function:

$$\frac{(-1.000)}{x^{2.000}}$$

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}}$$

77 step: finding a derivation of function:

$$\left(\frac{(-1.000)}{x^{2.000}} + 1.000\right)$$

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}}$$

78 step: finding a derivation of function:

$$y$$

here it is:

$$1.000$$

79 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

80 step: finding a derivation of function:

$$1.000$$

here it is:

$$0.000$$

81 step: finding a derivation of function:

$$\frac{1.000}{x}$$

here it is:

$$\frac{(-1.000) \cdot 1.000}{x^{2.000}}$$

82 step: finding a derivation of function:

$$\left(\frac{1.000}{x} + y\right)$$

here it is:

$$\frac{(-1.000)}{x^{2.000}} + 1.000$$

83 step: finding a derivation of function:

$$\sin\left(\frac{1.000}{x} + y\right)$$

here it is:

$$\cos\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right)$$

84 step: finding a derivation of function:

$$(-1.000)$$

here it is:

$$0.000$$

85 step: finding a derivation of function:

$$(-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right)$$

here it is:

$$(-1.000) \cdot \cos\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right)$$

86 step: finding a derivation of function:

$$(-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right)$$

here it is:

$$(-1.000) \cdot \cos\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}} \cdot (-1.000)$$

87 step: finding a derivation of function:

$$(-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot 3.000 \cdot x^{2.000}$$

here it is:

$$((-1.000) \cdot \cos(\frac{1.000}{x} + y) \cdot (\frac{(-1.000)}{x^{2.000}} + 1.000) \cdot (\frac{(-1.000)}{x^{2.000}} + 1.000) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot x}{(x^{2.000})^{2.000}} \cdot (-1.000))$$

88 step: finding a derivation of function:

$$y$$

here it is:

$$1.000$$

89 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

90 step: finding a derivation of function:

$$1.000$$

here it is:

$$0.000$$

91 step: finding a derivation of function:

$$\frac{1.000}{x}$$

here it is:

$$\frac{(-1.000) \cdot 1.000}{x^{2.000}}$$

92 step: finding a derivation of function:

$$(\frac{1.000}{x} + y)$$

here it is:

$$\frac{(-1.000)}{x^{2.000}} + 1.000$$

93 step: finding a derivation of function:

$$\cos(\frac{1.000}{x} + y)$$

here it is:

$$(-1.000) \cdot \sin(\frac{1.000}{x} + y) \cdot (\frac{(-1.000)}{x^{2.000}} + 1.000)$$

94 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

95 step: finding a derivation of function:

$$2.000$$

here it is:

$$0.000$$

96 step: finding a derivation of function:

$$2.000 \cdot x$$

here it is:

$$2.000$$

97 step: finding a derivation of function:

$$3.000$$

here it is:

$$0.000$$

98 step: finding a derivation of function:

$$3.000 \cdot 2.000 \cdot x$$

here it is:

$$6.000$$

99 step: finding a derivation of function:

$$3.000 \cdot 2.000 \cdot x \cdot \cos\left(\frac{1.000}{x} + y\right)$$

here it is:

$$6.000 \cdot \cos\left(\frac{1.000}{x} + y\right) + (-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot 3.000 \cdot 2.000 \cdot x$$

100 step: finding a derivation of function:

$$3.000 \cdot 2.000 \cdot x \cdot \cos\left(\frac{1.000}{x} + y\right) + (-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot 3.000 \cdot x^{2.000}$$

here it is:

$$6.000 \cdot \cos\left(\frac{1.000}{x} + y\right) + (-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot 3.000 \cdot 2.000 \cdot x + ((-1.000) \cdot \cos\left(\frac{1.000}{x} + y\right) + (-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot 3.000 \cdot x^{2.000}) \cdot x$$

101 step: finding a derivation of function:

$$3.000 \cdot 2.000 \cdot x \cdot \cos\left(\frac{1.000}{x} + y\right) + (-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot 3.000 \cdot x^{2.000} + ((-1.000) \cdot \cos\left(\frac{1.000}{x} + y\right) + (-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot 3.000 \cdot x^{2.000}) \cdot x$$

$$6.000 \cdot \cos\left(\frac{1.000}{x} + y\right) + (-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot 3.000 \cdot 2.000 \cdot x + ((-1.000) \cdot \cos\left(\frac{1.000}{x} + y\right))$$
$$6.000 \cdot \cos\left(\frac{1.000}{x} + y\right) + (-1.000) \cdot \sin\left(\frac{1.000}{x} + y\right) \cdot \left(\frac{(-1.000)}{x^{2.000}} + 1.000\right) \cdot 3.000 \cdot 2.000 \cdot x + ((-1.000) \cdot \cos\left(\frac{1.000}{x} + y\right) -$$

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

IN THE POINT (x = 3.000, y = 1.000) IT'S VALUE = 9.267228 !!!

$$27.000 \cdot (-1.000) \cdot \sin(0.333 + y)$$

Full derivation:

IN THE POINT (x = 3.000, y = 1.000)IT'S VALUE = 27.831 !!!

$$x^{3.000} \cdot \cos\left(\frac{1.000}{x} + 1.000\right)$$
$$6.351 + 9.267 \cdot (x - 3.000) + 4.022 \cdot (x - 3.000)^{2.000} + 0.540 \cdot (x - 3.000)^{3.000} + 0.000 \cdot (x - 3.000)^{4.000}$$
$$(x - 3.000)^{4.000}$$

Tangent equation in point -2.000:  $f(x) =$

Normal equation in point -2.000:  $f(x) =$

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