

DÉRIVATION

1. $f(x) = x^2 + 2$

2. $f(x) = x^2 - 2x$

3. $f(x) = -3x^2 + 5$

4. $f(x) = -3x^2 + x + 5$

5. $f(x) = x^3 - 3x + 12$

6. $f(x) = -4x^3 + 3x^2 + 1$

7. $f(x) = \frac{1}{x} + 3$

8. $f(x) = \frac{1}{x} + 4x - 2$

9. $f(x) = \frac{1}{x^2}$

10. $f(x) = (2x + 3)(6 - x)$

11. $f(x) = (0,01 + 2x) \times (0,02 - 0,03x)$

12. $f(x) = \frac{1,05x + 0,7}{2,2x + 4,03}$

13. $f(x) = (4x - 5)^2$

14. $f(x) = (0,2 + 0,05x)^3$

15. $f(x) = \left(\frac{5}{x+4}\right)^2$

16. $u + v$

17. $u \times v$

18. $\frac{u}{v}$

19. u^n

20. $f(u)$

The box contains a collection of mathematical expressions and derivatives, including:

- $-12x^2 + 6x$
- $3(x-1)(x+1)$
- $x-2$
- $f'(u')$
- $u' \times v'$
- $u' \times v^{n-1}$
- $u' \times v - u \times v'$
- $u' \times f'(u)$
- $u' + v'$
- $u' - v'$
- $u' + v'$
- $u' \times v + u \times v'$
- $2x + 2$
- 50
- $(x+4)^3$
- $8(4x-5)$
- $2x$
- $\frac{21}{44}$
- $n \times u'$
- $(0,2 + 0,05x)^2$
- $-6x + 6$
- $3x^2 + 9$
- -2
- $-0,06$
- $2x - 5$
- $0,000375(4+x)^2$
- $-0,12x + 0,0397$
- $\frac{50}{x+4}$