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. $f(x) = \dfrac{1}{x} + 3$
8. $f(x) = \dfrac{1}{x} + 4x - 2$
9. $f(x) = \dfrac{1}{x^2}$
10. $f(x) = (2x + 3)(6 - x)$
11. $f(x) = (0{,}01 + 2x)(0{,}02 - 0{,}03x)$
12. $f(x) = \dfrac{1{,}05x + 0{,}7}{2{,}2x + 4{,}03}$
13. $f(x) = (4x - 5)^2$
14. $f(x) = (0{,}2 + 0{,}05x)^3$
15. $f(x) = \left(\dfrac{5}{x+4}\right)^2$
16. $u + v$
17. $u \times v$
18. $\dfrac{u}{v}$
19. u^n
20. $f(u)$

$-12x^2 + 6x$ $x - 2$ $f'(u')$ $3(x-1)(x+1)$ $-6x$ $u' \times v'$ $-\dfrac{1}{x^2}$ $\dfrac{(4x^2-1)}{x^2}$ $2(x-1)$ $n \times u' \times u^{n-1}$ $-6x + 5$ $\dfrac{u' \times v - u \times v'}{v^2}$ $\dfrac{1}{x^2}$ $-12x^2 + 6x + 1$ $2x$ $u' \times f'(u)$ $-6x + 1$ $\dfrac{u'}{v'}$ $u' + v'$ $u' - v'$ $-\dfrac{2}{x^3}$ $2x + 2$ $\dfrac{1}{x^2} + 4$ $-4x + 9$ $\dfrac{2{,}691\,5}{(2{,}2x + 4{,}03)^2}$ $-\dfrac{50}{(x+4)^3}$ $u' \times v + u \times v$ $8(4x - 5)$ $\dfrac{2x}{x^4}$ $\dfrac{21}{44}$ $n \times u'$ $\dfrac{2{,}691\,5}{(2{,}2x + 4{,}03)^2}$ $-6x + 6$ -2 $3x^2 + 9$ $-0{,}06$ $2x - 5$ $-0{,}12x + 0{,}0397$ $0{,}000\,375(4 + x)^2$ $\dfrac{50}{x+4}$