

## Dérivation 3 - 50 calcul de dérivées

Exprimer les dérivées.

$$3x^5 + 5x^4 - 3x \quad x^2 - 4x^2 + 1 \quad x^3 + 5x^2 - 4 \quad 3x^8 - 6x^2 + 9 \quad 3x^7 - 6x^2 + 9$$

$$(3x+2)^3 \quad (-2x+5)^6 \quad (5x+3)^4 \quad (3x+9)^7 \quad (-2x+3)^5$$

$$\frac{2x-3}{5x+3} \quad \frac{-3x+1}{2x+5} \quad \frac{5x-4}{-2x+1} \quad \frac{-3x+7}{2x+3} \quad \frac{4x+5}{-2x+6}$$

$$\frac{x^2-1}{3x+4} \quad \frac{3x-2}{x^2+4} \quad \frac{x^3}{3x-2} \quad \frac{3x^2-1}{5x-3} \quad \frac{3x-2}{2x^2+5}$$

$$\cos^2 x \quad \sin(2x) \quad \cos(3x+1) \quad \sin^2 x \quad \cos^3(2x)$$

$$\tan x \quad \tan^2 x \quad \tan(2x) \quad \tan(4x+1) \quad \tan^3(2x)$$

$$\frac{1}{\sin x} \quad \frac{1}{2x+1} \quad \frac{1}{\cos x} \quad \frac{1}{2x^2-3} \quad \frac{1}{\sqrt{2x+1}}$$

$$\sqrt{3x^2-1} \quad \sqrt{\sin x} \quad \sqrt{\frac{3x-1}{2x+5}} \quad \sqrt{\tan x} \quad \sqrt{\cos(2x)}$$

$$\sin(-5x+2) \quad \cos(3x-2) \quad \tan(3x+1) \quad \sqrt{5x-2} \quad \sqrt{2x+1}$$

$$\sin^5(2x+1) \quad \sqrt{x}(2x-1)^3 \quad \frac{\sin(2x)}{\cos(3x)} \quad \sqrt{2\sqrt{x}-1} \quad \tan(x^2+4)$$