

TEST N°5 SA

Dériver les fonctions suivantes :

$$f_1(x) = x^4 + 4x^3 - 3x^2 - 7x + 6$$

$$f_2(x) = \frac{2}{3}x^3 - \frac{1}{4}x^2 + x - \frac{5}{2}$$

$$f_3(x) = (3x - 8)^4$$

$$f_4(x) = (5 - \sqrt{x})^3$$

$$f_5(x) = (4x + 1)(3x - 2)$$

$$f_6(x) = \frac{1}{4x^2} - \frac{1}{15x^3}$$

$$f_7(x) = \frac{1}{6 - 5x^2}$$

$$f_8(x) = (2x - 3)\sqrt{x}$$

$$f_9(x) = \frac{2x - 3}{5x + 1}$$

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$$f_1(x) = x^4 - 5x^3 + 4x^2 + 9x - 8$$

$$f_2(x) = \frac{1}{3}x^3 + \frac{5}{6}x^2 - x + \frac{7}{4}$$

$$f_3(x) = (2x - 7)^3$$

$$f_4(x) = (6 - \sqrt{x})^4$$

$$f_5(x) = (3x + 5)(4x - 1)$$

$$f_6(x) = \frac{1}{6x^3} - \frac{1}{4x^2}$$

$$f_7(x) = \frac{1}{8 - 3x^2}$$

$$f_8(x) = (4x - 5)\sqrt{x}$$

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