

Derivada de un producto y cociente

Una con líneas con su derivada correcta.

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

$$f(x) = (x^3)\left(\frac{1}{x} - x^{-2}\right)$$

$$f(x) = \left(\frac{1}{x^2} - \frac{3}{x}\right)(x + 5x^3)$$

$$f(x) = (2x^{\frac{2}{3}} - x)(x^3 + 3x)$$

$$f(x) = \frac{x + 2}{x - 2}$$

$$g(x) = \frac{x^2 + 2x - 5}{x^2 + 6}$$

$$h(x) = \frac{\sqrt{x} + 1}{2 - \sqrt{x}}$$

$$r(x) = \frac{(x + 2)(x + 1)}{x^3 - 1}$$

$$y' = \frac{22}{3}x^{8/3} + 10x^{2/3} - 4x^3 - 6x$$

$$y' = \frac{3}{2\sqrt{x}(2 - \sqrt{x})^2}$$

$$y' = \frac{-2x^2 + 22x + 12}{(x^2 + 6)^2}$$

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

$$y' = \frac{-4}{(x - 2)^2}$$

$$y' = -30x + 5 - \frac{1}{x^2}$$

$$y' = 5x^4 + 3x^2 - 2x$$

$$y' = 2x - 1$$