

Une cada función con su derivada II

$f(x) = 7x^{5/4} - 8x^{1/2}$	$f'(x) = -\frac{4x^{-5/7}}{7} + \frac{2x^{-7/9}}{9}$
$f(x) = x^{2/3} + 4x^{5/4}$	$f'(x) = 1 + \frac{x^{-4/5}}{5}$
$f(x) = \sqrt{x^2} + \sqrt[5]{x}$	$y' = 3x^2 - 3x + 2$
$f(x) = -2\sqrt[3]{x^2} + \sqrt[9]{x^2}$	$y' = \frac{-2\pi}{25x^3}$
$f(x) = \frac{x^9}{7} - \frac{x^7}{\sqrt{5}}$	$y' = \frac{1}{3}x^{-\frac{2}{3}} + \frac{1}{5}x^{-\frac{4}{5}}$
$y = \frac{x^3 - 3x^2 + 4}{x^2}$	$y' = 3x^2 + 1$
$y = \sqrt[3]{x} + \sqrt[5]{x}$	$f'(x) = \frac{9x^8}{7} - \frac{7x^6}{\sqrt{5}}$
$y = x(x^2 + 1)$	$y' = 1 + 4 \cdot (-2)x^{-3} = 1 - 8x^{-3}$
$y = \frac{\pi}{(5x)^2}$	$f'(x) = \frac{35}{4}x^{1/4} + 4x^{-1/2}$
$y = \frac{2x^3 - 3x^2 + 4x - 7}{2}$	$f'(x) = \frac{2}{3}x^{-1/3} + 5x^{1/4}$