

$f(x) = 3x^3$	$f(x) = 5x + 6x^3$	$f(x) = (5x^3 - 2x)(2x)$
$f(x) = 18$	$f(x) = 3^x$	$f(x) = -\sin(x)$
$f(x) = -3x^3$	$f(x) = 5x^2 + 10x^3$	$f(x) = 2\sqrt{x}$
$f(x) = \cos(x)$	$f(x) = \sin(x) \cdot e^x$	$f(x) = 3x^{-2}$
$f(x) = \frac{1}{x} + 5$	$f(x) = \ln(x)$	$f(x) = \frac{12}{5x}$

$f'(x) = 9x^2$	$f'(x) = 5 + 18x^2$	$f'(x) = 40x^3 - 8x$
$f'(x) = 0$	$f'(x) = 3^x$	$f'(x) = -\cos(x)$
$f'(x) = -9x^2$	$f'(x) = 10x + 30x^2$	$f'(x) = \frac{1}{\sqrt{x}}$
$f'(x) = -\sin(x)$	$f'(x) = \cos(x)e^x + \sin(x)e^x$	$f'(x) = -\frac{6}{x^3}$
$f'(x) = -x^{-2}$	$f'(x) = x^{-1}$	$f'(x) = -\frac{12}{5x^2}$