Bilde die Ableitungen

$f(x) = 3x^3 + 4ax + 9$     $f'(x) =$            $f''(x) =$          $f'''(x) =$

$f(x) = \sin(9x^2)$                $f'(x) =$

$f(x) = x^2 \ln(x)$                $f'(x) =$

$f(x) = -6x \cos(x)$                $f'(x) =$

$f(x) = \frac{3x+4}{x^2}$                $f'(x) =$

$f(x) = 5xe^x + 4x^3$                $f'(x) =$

$f(x) = \frac{\sin(x)}{x^2}$                $f'(x) =$

$f(x) = \sqrt{x}e^x$                $f'(x) =$

$f(x) = x * 3^x$                $f'(x) =$

$f(x) = x * \cos(x^2)$                $f'(x) =$

$f(x) = 5x\, e^{ax+3}$                $f'(x) =$