

Bilde die Ableitungen

$$f(x) = \frac{3x}{\sin(x)} \quad f'(x) =$$

$$f(x) = \frac{x^4}{\cos(x)} \quad f'(x) =$$

$$f(x) = \frac{5x+2}{x^2} \quad f'(x) =$$

$$f(x) = \frac{x}{\ln(x)} \quad f'(x) =$$

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

$$f(x) = \frac{3x^2-4}{x^5} \quad f'(x) =$$

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

$$f(x) = \frac{5x-3}{3x^2} \quad f'(x) =$$

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

$$f(x) = \frac{4a}{x} \quad f'(x) =$$