

Aufgaben zu Ableitungen 1

Bilde die 1. und die 2. Ableitung!

f(x)	f'(x)	f''(x)
$f(x) = 3x^2 + 2x + 4$		
$f(x) = 5x^3 - 6x^2 + 3x$		
$f(x) = -6x^2 + 8$		
$f(x) = -9x^4 + 6x^3 + 4x^2$		
$f(x) = -6x + 2$		
$f(x) = 9x^7 - 6x^5 + 3x^3$		
$f(x) = 6$		
$f(x) = -9x^8 + 5x^2 - 7x$		
$f(x) = (x-1) \cdot (x+3)$		
$f(x) = x^2 \cdot (x+1) \cdot (x-2)$		
$f(x) = \frac{2}{3}x^3 - \frac{3}{5}x^2 + \frac{5}{7}$		
$f(x) = \frac{5}{6}x^6 - \frac{1}{4}x^2 + \frac{6}{7}x$		
$f(x) = \frac{2}{3}x^3 - \frac{2}{5}x^2 + \frac{5}{7}$		
$f(x) = -\frac{6}{21}x^7 - \frac{4}{15}x^5 + \frac{9}{16}x^4$		
$f(x) = 4x^3 + \sqrt{2}x^2 - \sqrt{6}$		
$f(x) = -\sqrt{3} + \sqrt{3}x^2$		