

Calcolare le seguenti derivate di funzioni reali (da considerare definite nel loro *dominio naturale*):

$$D(3x^5 + 2x^3 - 4x^2 + 5)$$

$$D(2x^6 - 3x^5 + 7x^2 - 16x)$$

$$D\left(\frac{\cos x}{x + \operatorname{sen} x}\right)$$

$$D\left(\frac{\cos x}{x + e^x}\right)$$

$$D(\cos^5 x)$$

$$D(\operatorname{sen}(x^2))$$

$$D(\log(\log x))$$

$$D(\log(3x^2 + 5x - 2))$$

$$D(\log(5x^2 + 4x - 7))$$

$$D\left(e^{\frac{2x+3}{4x+5}}\right)$$

$$D\left(5^{\frac{2x+3}{x+3}}\right)$$

$$D(-x^2 + 2x^2 \log x)$$

$$D((7x^2 + x^5) \log(2 + e^x))$$

$$D(\sqrt{\cos x + 2})$$

$$D\left(\frac{1}{x^2 + \log 2}\right)$$

$$D\left(\frac{2x - 3}{x^2 + 1}\right)$$