

Find the derivatives of the following functions:

$$\textcircled{1} \quad y = (2x^3 + 3)^6$$

$$\textcircled{2} \quad y = (3x + 4)^4$$

$$\textcircled{3} \quad y = 2(x^2 + 1)^5$$

$$\textcircled{4} \quad y = (x^3 + x^2 + 5)^2$$

$$\textcircled{5} \quad y = e^{5x}$$

$$\textcircled{6} \quad y = e^{3x+2}$$

$$\textcircled{7} \quad y = \ln(2x+4)$$

$$\textcircled{8} \quad y = e^{-x^2}$$

$$\textcircled{9} \quad y = (3x^2 + 5)^{-3}$$

$$\textcircled{10} \quad y = e^{-4x-1}$$