

$$y = e^{-\frac{x^2}{2} + 1}$$

$$y = e^u \quad \text{und} \quad u = -\frac{x^2}{2} + 1$$

$$y' = e^u \quad u' = -x$$

$$y' = e^u \cdot (-x) = -x \cdot e^{-\frac{x^2}{2} + 1}$$