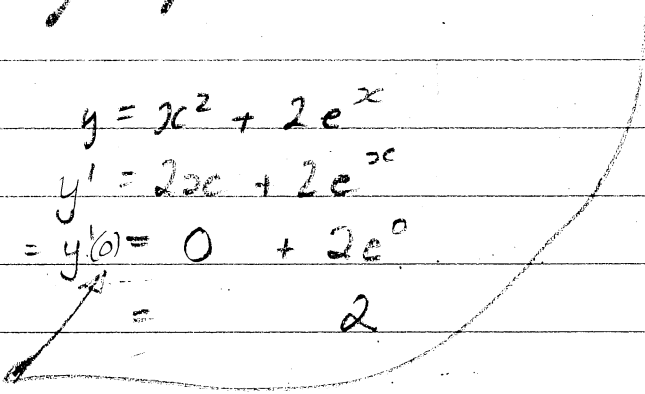


2366

$$y = x^2 + 2e^x$$

$$x=0 \quad \text{När } x=0 \quad y = 0 + 2e^0 \\ = 2$$

* Tangentens punkt är $(0, 2)$

$$y = x^2 + 2e^x \\ y' = 2x + 2e^x \\ k_{\text{tangent}} = y'(0) = 0 + 2e^0 \\ = 2$$


$$k = 2$$

$$y = kx + m$$

$$2 = 2 \cdot 0 + m$$

$$m = 2$$

ger

$$y = 2x + 2$$