

S. 139 | 11

$$p = 15\%$$

$$P(1 | 3570)$$

$$a) \quad \begin{array}{l} 3570 \hat{=} 85\% \\ 4200 \hat{=} 100\% \end{array}$$

an der Oberfläche

$$y = 4200 \cdot \left(1 - \frac{15\%}{100\%}\right)^x$$

$$y = 4200 \cdot 0,85^x$$

$$y = 4200 \cdot 0,85^{15} = 366,89$$

$$b) \quad 1000 = 4200 \cdot 0,85^x$$

GTR: Graph $\rightarrow y_1 = 4200 \cdot 0,85^x \quad y_2 = 1000$

\rightarrow Draw \rightarrow G-Solv - ISCT

$$x = 8,83$$