losung as Antwork 1 2.) Intwork 4 3) $f'(x) = 3x^2 - 12x + 11$ W(210) f''(x) = 6x - 12m = f'(2) = -1 $y=m\times +n$ n=2E: y=-x+2 4.) Antwort 4 5.) a.) $f'(x) = e^x + (x-1) \cdot e^x$ $f'(x) = e^{x} + x \cdot e^{x} - e^{x} = x \cdot e^{x}$ $f''(x) = e^x + xe^x = e^x (1+x)$ 6.) $x_w = -1$ $y_w = -2 \cdot e^{-1}$ $W(-1/-\frac{2}{e})$ 6.)a) (3) Begrunching: punktsymm. > nw imposecte 6xp. komme von links oben - neg. VZ vor x3 6) $h'(x) = -\frac{1}{x^2} + 1$ 7.) Intwork 4 0 = - 1 + 1 $1 = x^2$ $x_1 = 1$ $x_2 = -1$