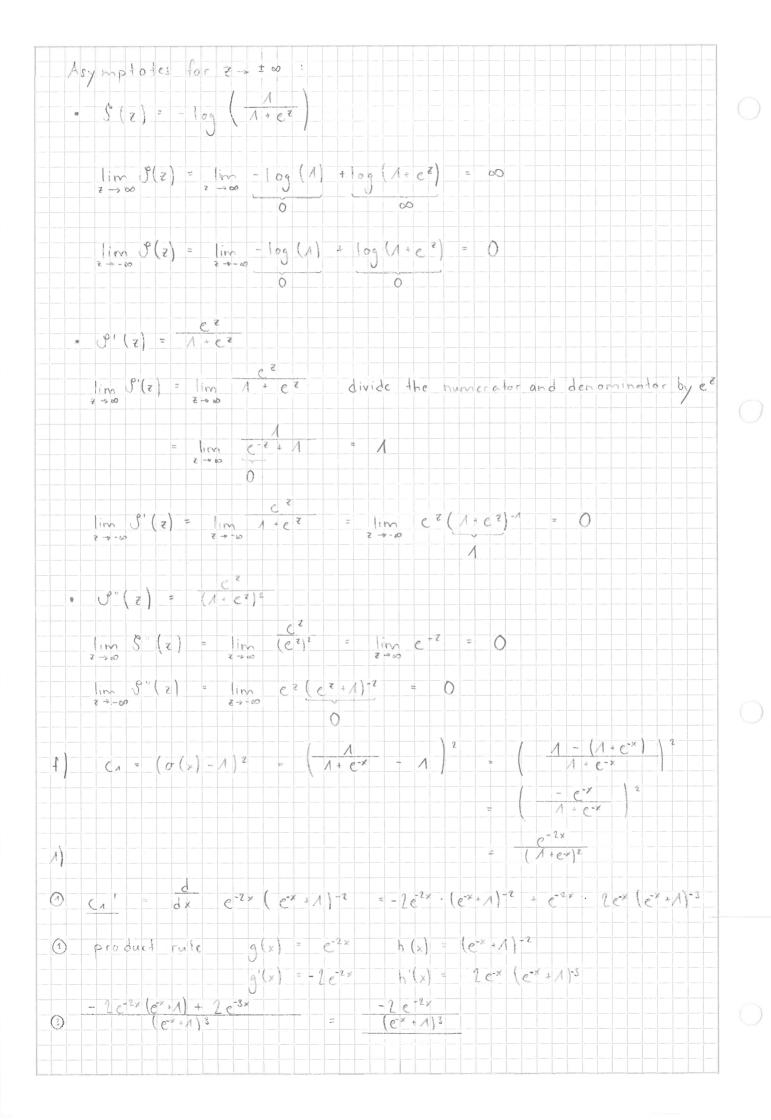


 $=\frac{(1+6s)_{5}}{(1+6s)_{5}}=2c_{11}(s)$



 $\frac{d}{dx} = \frac{1}{(e^{-x} + 1)^3} = \frac{1}{(e^{-2} + 1)^{-3}} - \frac{1}{(e^{-3} + 1)^{-4}}$ product rule 9(x) = -2e-2x h(x) = (e-x+1)-3 g(x) = 4e-2x h(x) = 3e-x(e-x+1)-4 4e-2× (e-x +1) - 6e-3× 4e-2× - 2e-3× 7e-2× (2-ex +1) 4 = (e-x +1) 4 => (e-x + 1)4 = 0 e-2x (2-e-x) = 0 Subst. y = e -x 1. (y+1)4 y 2 (2 - y) = 1 - 109(2) = X => X < O |=> non-convex g $c_{2}(x) = -(y \cdot \log(1 + e^{-wx}) + (1 - y) \cdot \log(1 - 1 + e^{-wx})$ = + (y. (log (1) - log (1+e-~x)) + (1-y) log (1+e+~x) y log(1) + y log(1+e-wx) - (1-y) log (1+e-wx) - w ((y-1)e ** + y) = C2'(x) $\frac{d}{dx} \left(\frac{1}{2} \left(\frac{1}{2} \right)^2 \right) = \left(\frac{1}{2} \right)^2 \left($ (2"(x) = 0) => no seletions