$$f(x) = e^{x^{2}} + x^{-3} - 10$$

$$f(x) = e^{x^{2}} \cdot 2x - 3x^{-4}$$

$$x_1 = 2 - \frac{e' + e^{-3}}{e' \cdot y - 3 \cdot 2^{-9}} = 1.7950$$

6) vereinfochtes Menton Verfehren

$$\chi_1 = \chi_0 - \frac{f(0.8)}{f(0.8)} = 0.4847$$

C) Selconten - Verfahren

$$x_{n+1} = x_n - \frac{x_n - x_{n-n}}{f(x_n) - f(x_{-n})} \cdot f(x_n)$$

= -1.8640