$$f(x) = x^3$$

$$\begin{cases}
(0) = 0^{3} = 0 & (010) \\
f(A) = 1^{3} = A & (A1A) \\
f(-A) = (-1)^{3} = -A & (-A1-A) \\
f(2) = 2^{3} = 8 & (218) \\
f(-2) = (-2)^{3} = -8 & (-21-8)
\end{cases}$$

$$s(t) = 20 - 5t^2$$

$$s(0) = 20 - s \cdot 0^2 = 20$$

$$S(\lambda) = 20 - S \cdot \lambda^2 = \lambda S$$

$$s(t) = 0 = 20 - 5t^2 / + 5t^2$$

$$t = \pm 2$$

$$S(2) - S(A) = 20 - 5 \cdot 2^{2} - (20 - 5 \cdot A^{2}) = 0 - A5 = -A5$$

$$\frac{S(3) - 5(A)}{2} = \frac{20 - 5 \cdot 3^{2} - (20 - 5 \cdot A^{2})}{2} = \frac{-25 - 45}{2} = -20$$

$$\frac{S(2+h) - S(2)}{h} = \frac{20 - 5 \cdot (2+h)^{2} - (20 - 5 \cdot 2^{2})}{h}$$

$$= \frac{20 - 5 \cdot (4 + 4h + h^{2})}{h} = \frac{20 - 20 - 20h - 5h^{2}}{h}$$

$$= \frac{-20h - 5h^{2}}{h} = \frac{-5h \cdot (4 + h)}{h} = -5 \cdot (4 + h)$$

$$-5 \cdot (4 + h) \xrightarrow{h \to 0} (-5) \cdot 4 = -20$$

$$N(t) = a \cdot b^{0} = a = A0 \longrightarrow N(t) = A0 \cdot b^{t}$$

$$N(2) = A0 \cdot b^{2} = 6.4 / A6$$

$$b^{2} = 0.64 / A$$

$$b = \pm 0.8$$

$$\Rightarrow N(t) = A0 \cdot 0.8^{t} \quad (-0.8^{t}) \text{ ist fur eine Funktion housense.}$$

$$H(\Lambda) = 16 \cdot 0.8^{\Lambda} = \frac{8}{8} \qquad , \quad H(-2) = 10 \cdot 0.8^{-2} = 10 \cdot \frac{\Lambda}{0.64} = \frac{25}{16}$$

$$(\frac{4}{5})^{-2} = (\frac{5}{4})^{2} = \frac{25}{16}$$

$$\frac{H(7) - H(0)}{2} = \frac{l.4 - 16}{2} = \frac{-3.6}{2} = -1.8$$

$$\frac{N(3) - N(4)}{2} = \frac{10 \cdot 0.8^{3} - 8}{2} = \frac{-1.44}{2}$$

$$\frac{N(t+h) - N(t)}{h} = \frac{10 \cdot 0.8^{t+h} - 10 \cdot 0.8^{t}}{h} = \frac{10 \cdot 0.8^{t} (0.8^{h} - 1)}{h}$$