$$\int_{\alpha} (x) = x^2 + \alpha x$$

$$\chi^2 + \alpha x = 0$$

$$\chi(x+\alpha)=0$$

## Nr.2

$$x^{3} - 2ax^{2} + a^{2}x = 0$$

$$\chi - \left( \chi^2 - 2\alpha \chi + \alpha^2 \right) = 0$$

$$x_{1}=0$$
  $x_{2}=2\alpha x + \alpha^{2}=0$  | pa

$$\chi_{4,2} = -\frac{2\alpha}{2} + \left[ \left( \frac{2\alpha}{2} \right)^2 - \alpha^2 \right]$$

$$\alpha \pm \sqrt{\left(\frac{-2}{2} \cdot \alpha\right)^2}...$$

$$\alpha \pm \sqrt{(-\alpha)^2 + (-\alpha)^2}$$

, a 
$$\in \mathbb{R}^+$$

$$V_{a,3}$$
  $f_a(t) = \frac{at}{a+t^2}$ 

$$\frac{at}{a+t^2} = 0 \left| -(a+t^2) \right|$$

$$at = 0$$

$$at = 0$$
 lia  $a \neq 0$ 

16.4

$$G_{\xi}(x) = -2\xi_x + \xi^2 + 1$$
,  $\xi \in \mathbb{R}^+$ 

$$-2tx = -t^2 - 1 : -2t$$

$$x = \frac{-t^2 - 1}{-2t}$$

N.5

$$f_a(x) = \frac{1}{\alpha} \cdot (x+\alpha) \cdot e^{\alpha-x}$$

$$\frac{1}{a}$$
.  $(x+a) \cdot e^{a-x} = 0$  | • a

$$(x+\alpha)\cdot \delta_{\alpha-x}=0$$

$$x+\alpha=0$$