(1) 
$$y' - \frac{1}{2}y = x + 1$$
  
積分因子は  
 $\int -\frac{1}{2} dx = -2/ogx$ 

$$e^{-2/69\lambda} = \chi^{-2}$$

$$\left(\frac{9}{\lambda^2}\right)' = \frac{1}{\lambda} + \frac{1}{\lambda^2}$$

$$y = \chi^2/\partial y \chi - \chi + c\chi^2$$

$$(2) \quad S^2 - 3S + 2 = 0$$

$$(5-1)(5-2) = 0$$

$$h = Ax^2 + Bx + C$$

$$N = \frac{1}{4} \left( 2\chi^2 + 6\chi + 7 \right)$$

$$y = qe^{x} + c_{2}e^{2x} + \frac{1}{4}(2x^{2} + 6x + 7)$$

$$(31 S^2 - 35 + 2 = 0)$$

$$\eta_c = A \chi^2 + B \chi + C$$

$$D(x+2)e^{x}-3D(x+1)e^{x}+2Dxe^{x}=e^{x}$$

$$D-3D$$
 t2D = 0

$$\eta = \eta_1 + \eta_2$$

$$=\frac{1}{4}(2\chi^{2}+6\chi+7)-\chi e^{\chi}$$

$$y = C_1 e^{x} + C_2 e^{x} + \frac{1}{4} (2x^2 + 6x + 7) - x e^{x}$$