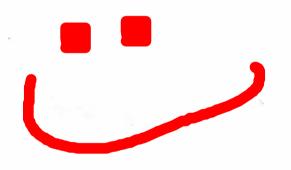
(a)
$$y' = (1-y)(x+1) = 0$$

$$\int \frac{dy}{1-y} = \int x+1 dx = 0 - \ln|1-y| = \frac{x^2}{x} + C. \quad \frac{y(0)=2}{x}$$

$$-\ln|1-2| = C = 0$$

$$-\ln |1-y| = \frac{x^2}{2} + 4 = \ln |1-y| = -\frac{x^2}{2} - x = 1$$

$$1-y = e^{-\frac{x^2}{2} - x} = \frac{1-e^{-\frac{x^2}{2} - x}}{1-e^{-\frac{x^2}{2} - x}}$$



(B) xy' = 1 - \(\sqrt{2} - \sqrt{2} $\Theta \in T_{\omega}$ $\gamma = V \times , \quad \gamma' = V \times + V$ x (V'x+V) = VX - Vx2 - V2 x2 = VX - x VI- V2 $V'X+V=V-VI-V^2=$ $V'X=-VI-V^2=$ $\int \frac{dv}{\sqrt{1-v^2}} = -\int \frac{dx}{x} = \int \frac{dx}{x} = \int \frac{dx}{x} = -\int \frac{dx}{x} + C = 0$ V = 4 (- lax +c) =>

Y=Vx=++(-ln++c).