$$\square \oslash \frac{dy}{dx} + y = 0 , y = e^{-x}$$

$$\frac{dy}{dx} = 0$$

$$f'(x) = -(f(x))^{2}$$

$$f(x) = \frac{1}{x} = -1$$

$$-(4m)^2 = -(x^1)^2 = -x^2$$

(d) 
$$2 \times y^{2} = y^{2}$$
,  $y = \sqrt{x} = x^{1/2}$ 

$$y' = \frac{1}{2} \times^{-1/2}$$
 $2 \times y' = \frac{1}{2} \times (\frac{1}{2} \times^{-1/2}) = \times^{1/2} = y$ 

$$\frac{1}{\sqrt{2}} \left| \frac{1}{\sqrt{2}} \right| = \frac{1}{\sqrt{2}} =$$

$$\frac{dT}{dt} = k(T - T_0)$$

$$\frac{dT}{dt} = c(T_0 - T).$$

$$\frac{dT}{dt} = c(T_0 - T).$$