pertencan 9 Kalkolus Lanjut	
Nama Anggi satria NPM 201843501144 Kelas : S2K	
Janab $\frac{dy}{dx} = e^{x-y}$ $\frac{dy}{dx} = e^{x-y}$ $\frac{dy}{dx} = e^{x-y}$	
2) CONTON 2 $\frac{dy}{dx} = 1$ $\frac{dx}{dx} = 1$ $\frac{dy}{dx} = 1$ $\frac{dy}{dx} = 1$	$\frac{1}{2}y^2 = \ln x + c$ $y^2 = 2\ln x + c$ $y^2 = \sqrt{2\ln x} + c$
797 - 7 A97 - 9x	
$\int y dy - \int dx = 0$	

3) contoh 3
$$X dx + y dy = 0$$

$$\int X dx + \int y dy = \int 0$$

$$\frac{1}{2}x^2 + \frac{1}{2}y^2 = C$$

$$\frac{1}{2}x^2 + y^2 = C$$

4) contoh 4

$$gyy'+4x=0$$
 $gy\frac{dy}{dx}+qx=0$
 $gy\frac{dy}{dx}=-4x$
 $gy\frac{dy}{dx}=-4x$
 $f(x)=-4x$
 $f(x)$

S)
$$\frac{\cos(x)}{5}$$
 (1-3) $\frac{dy}{3} = x^{2}$ (1-3) $\frac{dy}{3} = x^{2}$ dx

$$\int (1-3) \frac{dy}{3} = x^{2} dx$$

$$\int (1-3) \frac{d(1-3)}{3} = \int x^{2} dx$$

$$\int (1-3)^{2} + C_{1} = \frac{1}{3} \times^{3} \frac{dx}{3} + C_{2}$$

$$-\frac{1}{2} (1-3)^{2} - \frac{1}{3} \times^{3} = C_{2} - C_{1}$$

$$(1-3)^{2} + x^{3} = -6 (c_{2} - c_{1})$$

$$(1-3)^{2} + x^{3} = C_{1} + C_{2} - C_{1}$$

$$(1-3)^{2} + x^{3} = C_{2} + C_{1} + C_{2} + C_{2} + C_{2} + C_{3} + C_{4} + C_{2} + C_{4} +$$

7)
$$\frac{\cosh h}{7}$$
.

 $\frac{3dx + (1+x^{2})dy=0}{1+x^{2}}$; $y \neq 0$: $y(1+x^{2})$
 $\frac{1}{1+x^{2}}$ $dx + \frac{1}{3}$ $dy = 0$
 $\frac{1}{1+x^{2}}$ $dx + \frac{1}{3}$ $dy = 0$
 $\frac{1}{1+x^{2}}$ $dx + \frac{1}{3}$ $dy = 0$
 $\frac{2}{x}$ $dx - \frac{y}{(y+3)}$ $dy = 0$
 $\frac{2}{x}$ $dx - \frac{y}{(y+3)}$ $dy = 0$
 $\frac{2}{x}$ $dx - \frac{y}{(y+3)}$ $dy = 0$
 $\frac{2\ln x - \int \frac{y+3}{y+3} dy + \int \frac{3}{y+3} dy = 0}{2\ln x - y + \int \frac{3}{y+3} dy + \int \frac{3}{y+3} dy = 0}$
 $\frac{2\ln x - y + \int \frac{3}{y+3} dy + \int \frac{3}{y+3} dy = 0}{2\ln x - y + \int \frac{3}{y+3} dy + \int \frac{3}{y+3} dy = 0}$
 $\frac{2\ln x - y + \int \frac{3}{y+3} dy + \int \frac{3}{y+3} dy = 0}{2\ln x - y + \ln (y+3)^{2}} = 0$

Soal 1

Dentuklah Persamaan Deferensial dari fungsi:

$$\frac{dy}{dx} = 1 - \frac{x(y-x)}{x^2}$$

$$= 1 - \frac{(y-x)}{x} = x - \frac{(y-x)}{x} = \frac{2x-y}{x}$$

$$\frac{dy}{dx} = \frac{2x-y}{x} \text{ atom } x = \frac{2x-y}{x}$$