$$\frac{1a)}{(2+y)(2-y)} = \frac{A}{2+y} + \frac{B}{2-y}$$

Let J= 2

Let y= - 2

$$\frac{1}{2(2+y)} + \frac{1}{2(2-y)}$$

$$2 \cot 3c \frac{dy}{dx} = (4 - y^2)$$

$$\frac{1}{4-y^2} dy = \frac{1}{\cancel{x} \cot x} dx$$

$$\int \frac{1}{2(2+y)} + \frac{1}{2(2-y)} dy = \int \frac{1}{2} tan x dx$$

$$(\frac{7}{3},0)$$
 $0 = \ln 2 + c$
 $e = -\ln 2$

$$\frac{1}{2}\ln\left(\frac{2+4}{2-4}\right) = 2\ln\left(\frac{5-ec}{2}\right)$$

$$2 - y$$

$$4 - y$$

$$4 - y$$

$$4 - y$$

$$2 - y$$

$$4 + 2y$$

$$2 - y$$

$$4 + 2y$$

$$2 - y$$

$$4 + 2y$$

$$2 - y$$

$$3 - y$$

$$4 + y$$

$$3 - y$$

$$4 + y$$

$$3 - y$$

$$4 + y$$

$$4 + y$$

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$$3 - y$$

$$4 + y$$

$$4 + y$$

$$3 - y$$

$$4 + y$$

$$4 + y$$

$$3 - y$$

$$4 + y$$

$$4$$

$$P = e^{c} e^{sin(4t)}$$

$$P = f_{0} e^{sin(4t)}$$

$$P = f_{0} e^{sin(2.5t)}$$

$$2 = e^{sin(2.5t)}$$

$$1 = 2 = sin(2.5t)$$

$$1 = 3 = 0.306...$$

$$1 = 18 mins (new) min)$$

$$3 = 18 mins (new) min)$$

$$3 = 2x - 1 = A + B = 2x - 3$$

$$2x - 1 = A(2x - 3) + B(x - 1)$$

$$1 = -B$$

$$2x - 1 = 2x - 3$$

$$2x - 1 = 4(2x - 3) + B(x - 1)$$

$$2x - 1 = 2x - 3$$

$$2x - 1 = 4(2x - 3) + B(x - 1)$$

$$2x - 1 = 4(2x - 3) + B(x - 1)$$

$$2x - 1 = 4(2x - 3) + B(x - 1)$$

$$3 = 4(2x - 3) + 4(2x - 3) + 4(2x - 3) + 4(2x - 3)$$

$$4y = 4y = (2x - 1) + 4(2x - 3) + 4(2x - 3$$

$$C = \ln (10) = -\ln (2-1) + 2(\ln (2(2)-3) + C)$$

$$\ln (10) = -\ln (1) + 2 \ln (1) + C$$

$$\ln (10) = C$$

$$\ln y = -\ln (x-1) + 2 \ln (2x-3) + \ln 10$$

$$\ln y = \ln \left(\frac{10(2x-3)^2}{x-1} \right)$$

$$y = \ln \left(\frac{2x-3}{x-1} \right)$$

$$y = \ln \left(\frac{2x-3}{x-1$$

$$\int 1 \, dv = \int 1000(2t+1)^{-2} \, dt$$

$$V = -1 \times 1000(2t+1)^{-1} + C$$

$$V = -500(2t+1)^{-1} + C$$

$$(0,0)$$

$$V = -500(2t+1)^{-1} + 500$$

$$V = -500(2t+1)^{-1} + 500$$

$$dif \quad \text{when } t = 5$$

$$V = -500 + 500$$

$$2(5) + 1$$

$$= 4096 + 5000$$

$$79 \quad 11$$

$$5000 + 2009 = 4 \text{ Tr}^{2}$$

$$11 \quad 375 + 6000 = 7^{3}$$

$$11 \quad 375 + 6000 = 7^{3}$$

$$11 \quad 377 + 77$$