

$$M(x,y) dx + (2x^2y^3 + x^4y) dy = 0$$

Agar menjadi PD eksak:

$$\frac{\partial M}{\partial y}(x,y) = \frac{\partial N}{\partial x}(x,y)$$

$$\frac{\partial M}{\partial y}(x,y) = 4xy^3 + 4x^3y$$

$$\int \frac{\partial M}{\partial y}(x,y) dy = \int (4xy^3 + 4x^3y) dy$$

$$M(x,y) = xy^4 + 2x^3y^2$$

PD tersebut $\Rightarrow$

$$(xy^4 + 2x^3y^2) dx + (2x^2y^3 + x^4y) dy = 0$$

Devī Nurul A

18305141034

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