


$$\textcircled{1} \quad x \frac{dy}{dx} + y = x^3 y^6$$

$$\textcircled{2} \quad xy - \frac{dy}{dx} = y^3 e^{-x^2}$$

$$\textcircled{3} \quad xy + x^3 y^3 = \frac{dx}{dy}$$

 NOTE =  $q \frac{dy}{dx} + Py = \Phi(y^n)$

then Divide by  $y^n$  first

if  $\frac{dx}{dy} + Px = \Phi(x^n)$

then Divide by  $x^n$  first