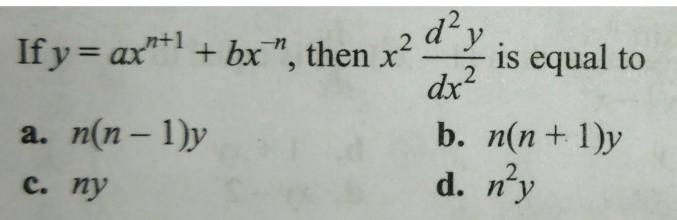
<u>PROBLEM</u>



SOLUTION

b.
$$y = ax^{n+1} + bx^{-n}$$

or $\frac{dy}{dx} = (n+1)ax^n - nbx^{-n-1}$
or $\frac{d^2y}{dx^2} = n(n+1)ax^{n-1} + n(n+1)bx^{-n-2}$
or $x^2 \frac{d^2y}{dx^2} = n(n+1)y$