

(12)

I.C.'s $y(0)=1 \Rightarrow a_0=1$ & $y'(0)=4 \Rightarrow a_1=4$

Solu of I.V.P

$$y = 1 - x^2 + \frac{x^4}{3} \dots + 4x - 2x^3 + \frac{x^5}{2} + \dots$$

$$= 1 + 4x - x^2 - 2x^3 + \frac{x^4}{3} + \frac{x^5}{2} \dots$$

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