

- $\frac{1}{2} \frac{d}{dt} \left(\frac{1}{2} m v^2 \right) = \frac{1}{2} m v \frac{dv}{dt} = \frac{1}{2} m v \frac{dv}{dt} = \frac{1}{2} m v \frac{dv}{dt}$
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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

[illegible]

<https://www.csc.gov.mv/download/2023/51/Annex%202%20-%20Application%20form1pnd4eve-a2u-docx>

2. $\frac{1}{x^2} = x^{-2}$ $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$ $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$

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[illegible]

5.

[illegible]

(۴) $\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

[illegible][illegible][illegible][illegible][illegible]

