[175
r] [in De Morgan's hand] This complete differential of
 $\varphi,$ as it is called namely

it is called namely $\frac{d\varphi}{dx}.dx + \frac{d\varphi}{dy}.dy + \frac{d\varphi}{dz}.dz$ is a perfectly distinct thing from $\frac{d\varphi}{dx} + \frac{d\varphi}{dy} + \frac{d\varphi}{dz}$ and also from $\frac{d^3\varphi}{dx \, dy \, dz}$

Read again page 86 when x is changed to _____ end of 87

page 198–199 & the references

 $\frac{d\varphi}{dx} dx \quad \text{is} \quad d\varphi \\ \frac{d\varphi}{dy} dy \quad \text{is} \quad d\varphi \\ \end{array} \right\} \begin{array}{c} \text{But the first means the } d\varphi \text{ which} \\ \text{is caused by variation of } x, \text{ and the} \\ \text{second has the same reference to } y. \end{array}$