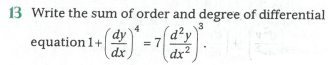
**Expert ID/Name: Nstructive**

**Date: 04-Nov-2020**

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| Short answer type questions |



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| Given : differential equation is  To find : The order and degree of the differential equation  Explanation:-  **Order is the highest derivative occurring in the differential equation.**  **Degree is the highest order derivative in the differential equation** |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Step :   |  |  | | --- | --- | | Instruction | **Order is the highest derivative occurring in the differential equation** | | Calculation | In ,  Highest order derivative is .  Order 0f is . |   Step :   |  |  | | --- | --- | | Instruction | **Degree is the highest order derivative in the differential equation.** | | Calculation | In, the power of  is .  Degree of is 3.  Sum of the order and the degree is. | |
| Verified Answer: Order =  Degree =  Sum of the order and the degree is . |