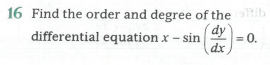
**Date: 5-Nov-2020**

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| Very Short Answer 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** |
| Step1:   |  |  | | --- | --- | | Instruction | **Order is the highest derivative occurring in the differential equation** | | Calculation | In Differential equation, highest order derivative is .  Order of  is . |   Step :   |  |  | | --- | --- | | Instruction | **Degree is the highest order derivative in the differential equation.**  **If it is not a polynomial differential equation then its degree is not defined.** | | Calculation | Clearly is not a Polynomial differential equation  Hence, Degree of is not define. |      |  | | --- | | Verified answer:-  Order  Degree  Not define | |