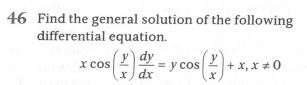
**Expert ID/Name: Nstructive**

**Date: 10-Nov-2020**

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**Answer:**

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| Short answer type question. |

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| Tips:  1. Recall the method of solving the homogeneous differential equation.  2. |

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| Explanation: -  Given : Differential equation is  To find: General solution of differential equation is  Step 1:   |  |  | | --- | --- | | Instruction | Find from | | Calculation |  |     Step 2:   |  |  | | --- | --- | | Instruction | Clearly it is a homogeneous function , So follow the procedure to solve the homogeneous differential equation. | | Calculation |  |   Step 3:   |  |  | | --- | --- | | Instruction | Apply the integration on both sides.  Use the formulae: | | Calculation | By substituting, we get  Hence, required general solution is | |
| Verified Answer: - General solution of differential equation is .  Hence, verified. |