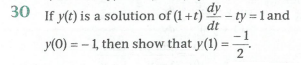
**Expert ID/Name: Nstructive**

**Date: 20-Nov-2020**

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| --- |
| Answer for Short / Simple / Direct Question |

|  |
| --- |
| **Tips:**  1 .Integrating factor of is .  2.  3. General solution of is |

**Answer:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Given : and  To Prove:  Explanation: -  Step1:   |  |  | | --- | --- | | Instruction: | Convert and Compare the given differential equation with | | Calculation: | Given differential equation is    Compare with |   Step 2:   |  |  | | --- | --- | | Instruction: | 1. Integral factor of is.  2. | | Calculation: | Hence, IF of is |   Step3:   |  |  | | --- | --- | | Instruction: | 1.General solution of is | | Calculation: | Given that when    Now, In we get | |
| Verified Answer: -Hence verified. |