|  |  |  |  |
| --- | --- | --- | --- |
| # | Equation | Order | Linear/non linear |
| 1 |  | 2 | Linear |
| 2 |  | 4 because | Nonlinear because |
| 3 |  | 4 | Linear in y, nonlinear in t |
| 4 |  | 2 | Nonlinear |
| 5 |  | 2 | Nonlinear |
| 6 |  | 2 | Nonlinear |
| 7 |  | 3 | linear |
| 8 |  | 2 | Nonlinear |

|  |  |  |  |
| --- | --- | --- | --- |
| # | Equation | In y/v | In x/u |
| 9 |  | No | Yes |
| 10 |  | Yes | No |

|  |  |  |  |
| --- | --- | --- | --- |
| # | Equation | Solution? | Interval of solution |
| 11 | - | Yes |  |
| 12 |  | No |  |
| 13 |  | Yes |  |
| 14 |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| # | Equation | Solution yes/no |  |
| 15 |  | YES |  |
| 16 |  | NO |  |
| 17 |  | NO |  |
| 18 |  | YES |  |