

Quiz 1 Form A

Sept 1, 2017

1.) Determine the order of the given differential equations and also state whether the equation is linear or nonlinear:

[3] 1a.) $t + yy' = 1$ is a _____ order _____ differential equation.

[3] 1b.) $ty + y' = 1$ is a _____ order _____ differential equation.

[14] 2.) Solve and state where the solution is defined: $t^4y' + 4t^3y = \frac{1}{t}$

Solution: _____

Domain: _____