

Name:

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MATH-260

Term-082

QUIZ-1

1) Find general solution of the following linear first-order differential equation

$$y' - 2xy = e^{x^2}$$

2) (a) Find general solution of the following separable differential equation

$$y' = x(y - 1) \quad \text{----- (*)}$$

2) (b) The differential equation (*) has a singular solution (TRUE or FALSE)