

DEPARTMENT OF MATHEMATICS

Internal Examination 2021

SEMESTER II

MATH-H-GE-T-02(Differential Equation)

Answer the following question.

1. Solve the differential equation $\frac{dy}{dx} = \frac{x+y+4}{x-y-6}$ 10

Upload answer sheet to the following link:

<https://forms.gle/mLQHtgvcqAZzzfim7>

MATH-G-CC-T-02(Differential Equation)

Answer the following question.

1. (a) Solve: $3p^2y^2 - 2xyp + 4y^2 = x^2$.
(b) Solve: $(D^3 + 3D - 4)y = xe^{-2x}$. 5+5

Upload answer sheet to the following link:

<https://forms.gle/91CHinbHY2VQNs2m8>