

7A Part 2 First Order Differential Equations and Integrating Factors

Notes:

Solve the general equation:

$$\frac{dy}{dx} + Py = Q$$

Where P and Q are functions of x.

1. Find the general solution of the equation:

$$\frac{dy}{dx} - 4y = e^x$$

2. Find the general solution of the equation:

$$\cos x \frac{dy}{dx} + 2y \sin x = \cos^4 x$$

