

Differential Equations

Lab 4

Find the solution

$$1) \quad xy' - 4y = x^2\sqrt{y}$$

$$2) \quad 7xy' - 2y = -\frac{x^2}{y^6}$$

$$3) \quad y' = 1 + x - (1 + 2x)y + xy^2, y_1 = 1$$