

Name

Student ID

MATH 3503 - Winter 2025

Quiz 2-B

February 2025

1. Solve the 2nd order ODE $z''(t) = z'(t) - 4z(t)$; $z(0) = 1$; $z'(0) = -1$. (4 Marks)

2. Is the equation $y^2 dx + 2xy dy = 0$ exact? If not, how do you make it exact? Solve for y. (6 Marks)