M20580 L.A. and D.E. Tutorial
Quiz 10

1. Find the solution of the initial value problem

$$y'' + y = 6, \qquad y(0) = 1, \ y'(0) = -8$$

2. Solve the differential equation

$$(2xy + 3) + (x^2 - 2)\frac{dy}{dx} = 0.$$