

MAP 2302 WRITTEN HOMEWORK #13

Due Monday November 25th, in Canvas

Question 1. Solve the initial value problem using any correct method.

$$y'' - 2y' + y = \cos t - \sin t, \quad y(0) = 1, \quad y'(0) = 3$$

Question 2. Solve the initial value problem using any correct method.

$$y'' - 5y' + 6y = 4te^t, \quad y(0) = 5, \quad y'(0) = 10$$