

ASSESSMENT TEST

OBSERVE SILENCE IN THE EXAM ROOM

QUESTION 1.

Solve the initial value problem.

$$y^{(4)} = -\sin t + \cos t; \quad y^{(3)}(0) = 7, \quad y''(0) = y'(0) = -1, \\ y(0) = 0$$

QUESTION 2.

Solve the initial value problem.

$$\frac{dy}{dx} = 10 - x, \quad y(0) = -1$$