Problem 11

In each of Problems 9 through 12, find the solution of the given initial value problem. Then plot a graph of the solution.

$$y''' - 3y'' + 2y' = t + e^t; \qquad y(0) = 1, \quad y'(0) = -\frac{1}{4}, \quad y''(0) = -\frac{3}{2}$$