

## Problem 20

In each of Problems 13 through 20, express the solution of the given initial value problem in terms of a convolution integral.

$$y^{(4)} + 5y'' + 4y = g(t); \quad y(0) = 1, \quad y'(0) = 0, \quad y''(0) = 0, \quad y'''(0) = 0$$