

## Problem 12

In each of Problems 1 through 12:

- (a) Find the solution of the given initial value problem.
- (b) Draw a graph of the solution.

$$y^{(4)} - y = \delta(t - 1); \quad y(0) = 0, \quad y'(0) = 0, \quad y''(0) = 0, \quad y'''(0) = 0$$