

## Problem 26

In each of Problems 21 through 28:

- (a) Determine a suitable form for  $Y(t)$  if the method of undetermined coefficients is to be used.
- (b) Use a computer algebra system to find a particular solution of the given equation.

$$y'' + 4y = t^2 \sin 2t + (6t + 7) \cos 2t$$