Name. _____

Applied Differential Equations 2250
Sample Midterm Exam 3 In-Class
Wednesday, 19 November, 2003

Instructions: This in-class exam is 15 minutes. Calculators and books are not allowed. *An answer check* is expected.

5. (Particular Solution)
Solve for a particular solution $y_p(x)$. Cite the method(s) used and show all steps.

$$y''' - y' = 2\pi + e^x.$$