Solutions to Polynomial Input 2

Quiz: Which of the following are true about the differential equation $3x^{(4)} + 2x^{(3)} + x'' = 2t^2 + 1$?

Choices:

a) It has no polynomial solutions.

b) It has exactly one polynomial solution.

c) It has many polynomial solutions.

d) All its solutions are polynomials.

e) We can't say from the information given.

Pick what you think is the correct choice and then look at the answer.

18.03SC Differential Equations
Fall 2011