MthSc 208 (Fall 2011) Worksheet 3b

MthSc 208: Differential Equations (Fall 2011) In-class Worksheet 3b: Method of undetermined coefficients

NAME:

Find the general solution to the following 2nd order differential equations.

1.
$$y'' + 2y' - 3y = 0$$

2.
$$y'' + 2y' - 3y = e^{3t}$$

3.
$$y'' + 2y' - 3y = 6t^2 + t - 2$$

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$$4. \ y'' + 2y' - 3y = 5\sin 3t$$

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