

**MthSc 208: Differential Equations (Summer II, 2012)**  
**In-class Worksheet 3a: 2<sup>nd</sup> order ODEs with constant coefficients**

<b>NAME:</b>
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Find the general solution to the following 2nd order differential equations.

1.  $y'' - 3y' - 4y = 0$

2.  $y'' + 2y' + 2y = 0$

3.  $y'' + 10y' + 25y = 0$