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**Math 2150, Fall 2006, Quiz 7**
**October 24, 2006**

1. Find the general solution to the homogenous differential equation $y'' - 3y' + 2y = 0$.

2. Find a particular solution to the inhomogenous differential equation $y'' - 3y' + 2y = 4t$.

3. Find the solution to $y'' - 3y' + 2y = 4t$ which satisfies $y(0) = 8$ and $y'(0) = -7$.