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Math 2150, Fall 2005, Quiz 8
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1. Find the general solution to the homogenous differential equation $y'' + 3y' + 2y = 0$.
2. Find a particular solution to the inhomogenous differential equation $y'' + 3y' + 2y = 4t^2$.
3. Find the solution to $y'' + 3y' + 2y = 4t^2$ which satisfies $y(0) = 8$ and $y'(0) = -7$.