

TA: R McDougal
Math 415

Name: _____
18 October 2007

Quiz II

Answer each question as completely as you can; remember you must show *all work* for full credit. You may not consult books, notes, or each other for this quiz. Good luck!

1. Find the general solution of $y'' + 2y' - 3y = 0$. (5 points).
2. Find a differential equation whose general solution is $y = c_1e^{5t} + c_2e^{-t}$. (5 points).