MATH2860 - Elementary Differential Equations, Spring 2014 Quiz 3

Feb 26, 2014

Printed NAME:

- You have 15 min to complete your quiz.
- Please show all your work neatly and indicate your final answers clearly.
 If you simply write down the final answer without appropriate intermediate steps, you may not get full credit for that problem.
- The quiz is closed book and notes. Calculators are not allowed.

GOOD LUCK:)

1. Solve the following initial value problem.

$$y'' + 2y' - 8y = 0;$$
 $y(0) = 3$ $y'(0) = 0$

2. Determine the general solutions of the following differential equations

(a)
$$y'' + 4y' + 8y = 0$$
 (b)
$$y'' + 8y' + 16y = 0$$