Math 4B, Summer 2016

Quiz 5

Name [**1 pt**]:_____ Perm number:_____

Section time: _____

1. Consider the second order differential equation:

$$y'' + 4y' + 3y = 0$$

(a) Find the general solution $c_1y_1(t) + c_2y_2(t)$of the equation, and compute the Wronskin to show that y_1, y_2 form a fundamental set of solutions.

(b) What is the solution if impose initial condition $y(0) = 3, y'(0) = -7$.