

MATH 3250, SECTION 301

QUIZ 4

02/27/2017

Honor Pledge: On my honor as a student, I have neither given nor received aid on this quiz.

Name:

Signature:

- (1) Find the general solution to the initial value problem

$$y'' + 2y' + 2y = 0, \quad y(0) = 0, y'(0) = 1.$$

Express the solution in terms of time-varying amplitude, circular frequency and phase shift. Sketch the solution. (6)