Math 325: Differential Equations   Name:_____

Quiz 11   *April 27, 2001*

You may use your own calculator. You may not use anything else. You may not pass a calculator to another person.

Show all your work. Erase or cross out any work you do not want graded.

Find the Laplace transform $Y(s) = \mathcal{L}\{y\}(s)$ of the solution of

$$y'' + 9y = 0, \ y(0) = 1, \ y'(0) = -5.$$