

QUIZ 4 FOR CALC4 ON MAR. 3, 2015

Name: \_\_\_\_\_ RUID: \_\_\_\_\_

Email: \_\_\_\_\_

1. (5 pt) The take-home quiz last week.
2. (5 pt) Determine the interval of existence and solve the IVP

$$x^2 y'' - xy' + y = 0, y(-1) = 1, y'(-1) = 2$$

3. (Extra Credit of 3 pt) Find the general solution to the IVP

$$y'' - y' - 2y = e^{3t}$$