

NAME: _____

EID: _____

M427J Quiz 2

Problem 1. [4 pts] Compute the Picard iterates y_1, y_2, y_3 for the initial value problem

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

Problem 2. [6 pts] Find the general solution to

$$y^2 - \frac{y}{t^2} + \left(y^2 - \frac{1}{t}\right) y' = 0.$$