Math 3280 Worksheet 3

Group members (2 to 4): _____

Only hand in one sheet per group.

(1) Does the initial value problem $\frac{dy}{dt} = 3y^{2/3}$, $y(1) = 1$ have a unique solution? Find a solution and determine the largest interval of t values on which it is defined.

(2) Repeat the above problem, but this time with an initial value $y(1) = 0$.