Mathematics 741
ASSIGNMENT 2
due Tuesday, Oct. 29, 2019 – BEFORE CLASS

Please begin the solution to each question on a new page and then arrange the solutions in the correct order to assist marking.

Hint: Problem 2.

- You only know that $f(y)$ is continuous. You cannot assume it is locally Lipschitz.

- This is a system of differential equations and must be treated as such. However, notice that the second equation decouples.