ENGR 2910: Circuit Analysis I

Quiz 8: Monday, Nov. 8

Question 1 [5]

(i) For the first order, ordinary differential equation, solve for y(x), subject to $y(x=0) = y_0$, a constant:

 $\alpha y + \beta \frac{dy}{dx} = 0,$

where, α and β are constants.

(ii) Briefly discuss on the role that the parameters α and β play in controlling the resulting function.

(iii) Sketch your solution to (i).

Instructor: Leo Silbert