Name: Nathaniel Paulus Date: October 17, 2017

Score \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Instructor (Mr. Bell)

The following questions should be answered in two ways: using Excel and simulation using MultiSim. When you are done zip all your work up into a single file called “OFCA.zip” and upload it to the Course Message (of course address it to me)

1. Find the following :



Find RTH, VTH and RL for maximum power

transfer via analysis (show all work.) Create

a plot in Excel for the power transfer.

RTH = \_10Ω\_\_\_\_\_

VTH = \_4.5V\_\_\_\_\_

RL = \_10Ω\_\_\_\_\_

Find RTH, VTH and RL for maximum power transfer via simulation (capture and upload simulation schematic and outputs).

RTH = \_10Ω \_\_\_\_\_

VTH = \_4.5V \_\_\_\_\_

RL = \_\_10Ω \_\_\_\_