

If the space provided for an answer is not sufficient, please continue on the back or attach an additional sheet.

Name:

Term: Subject: System Modeling & Control

Teacher: A. Mhamdi



Do not write in this table.

Question:	1	Total
Points:	10	10
Score:		

1. (10 points) Build the following electrical model and display the output voltage v_s . The model has to be created using an assemblage of physical network of Simscape components. The input voltage is:

$$v_e(t) = 5\sqrt{2} \sin(0.2\pi t + 35^\circ) - 0.5$$

