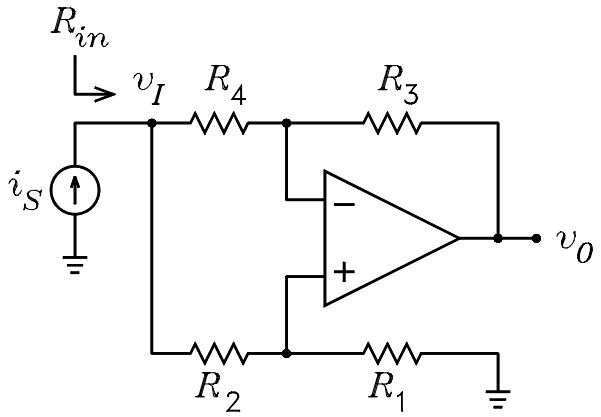
ECE 4435 Quiz 1
September 15, 2003

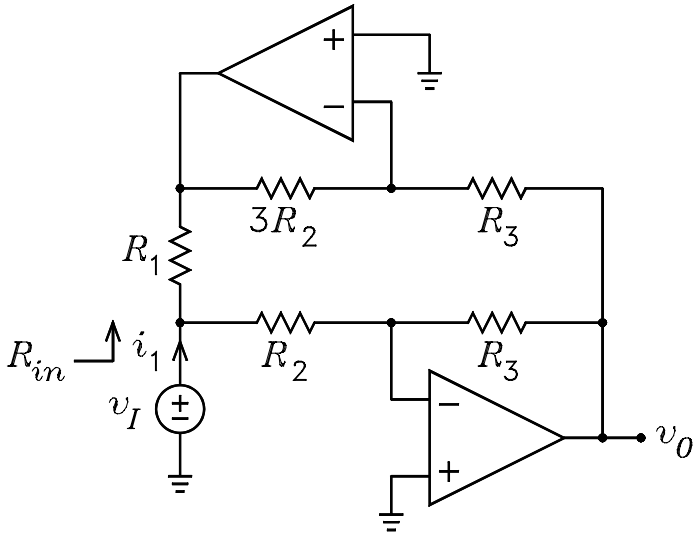
Professor Leach Name_____

Instructions. Print your name in the space above. Place a box around your answers. Express any numerical answer as a decimal number. **Honor Code Statement:** *I have neither given nor received help on this quiz.* Initials: _____

1. Solve for v_O, v_I, and R_{in}.



2. Solve for v_O, i_1, and R_{in}. What is the condition on the resistors for $R_{in} = \infty$?

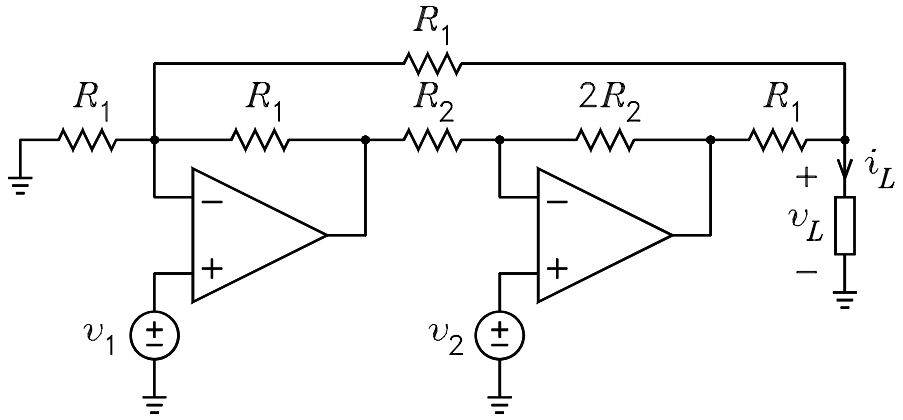


ECE 4435 Quiz 2
October 8, 2003

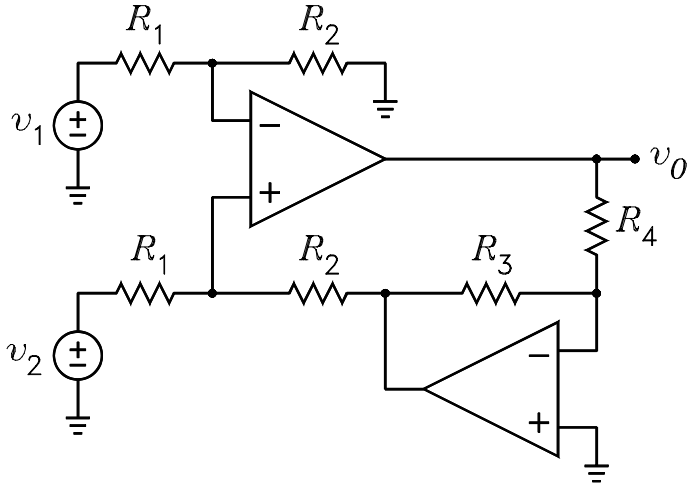
Professor Leach Name_____

Instructions. Print your name in the space above. Place a box around your answers. Express any numerical answer as a decimal number. **Honor Code Statement:** *I have neither given nor received help on this quiz.* Initials: _____

3. Solve for i_L as a function of v_1, v_2, and v_L.



4. Solve for v_O as a function of v_1 and v_2.



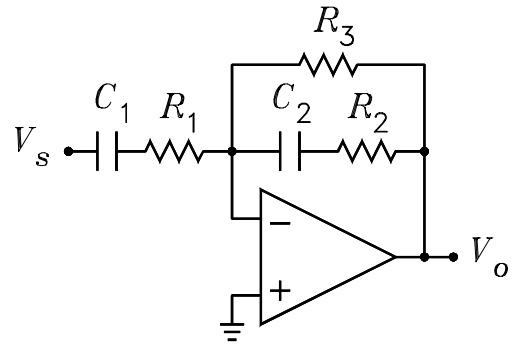
ECE 4435 Quiz 3

November 19, 2003

Professor Leach Name_____

Instructions. Print your name in the space above. Place a box around your answers. Express any numerical answer as a decimal number. **Honor Code Statement:** *I have neither given nor received help on this quiz.* Initials: _____

5. Solve for the transfer function for V_o/V_s, put it into standard form, and sketch the Bode magnitude plot assuming that $R_1C_1 \gg (R_2 + R_3)\,C_2$.



6. Solve for the transfer function for V_o/V_s and put it into standard form.