

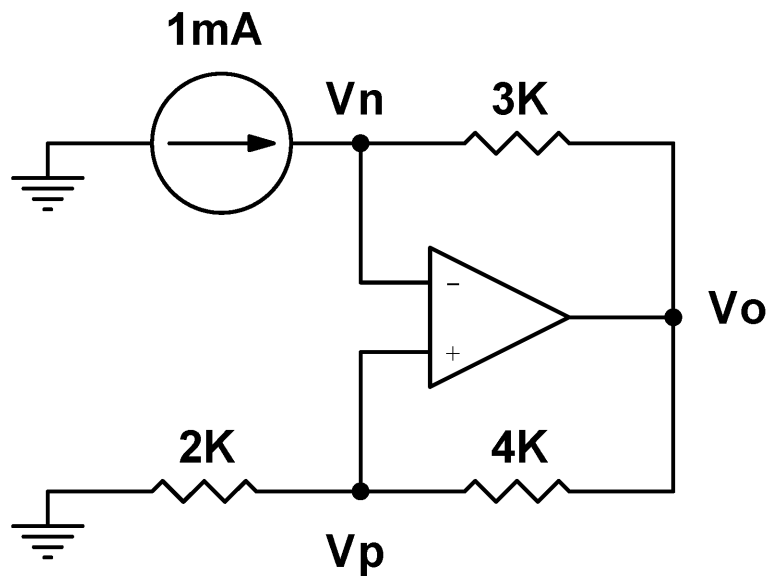
# ECE 2350 CIRCUIT ANALYSIS I

Homework 6  
27 February 2020

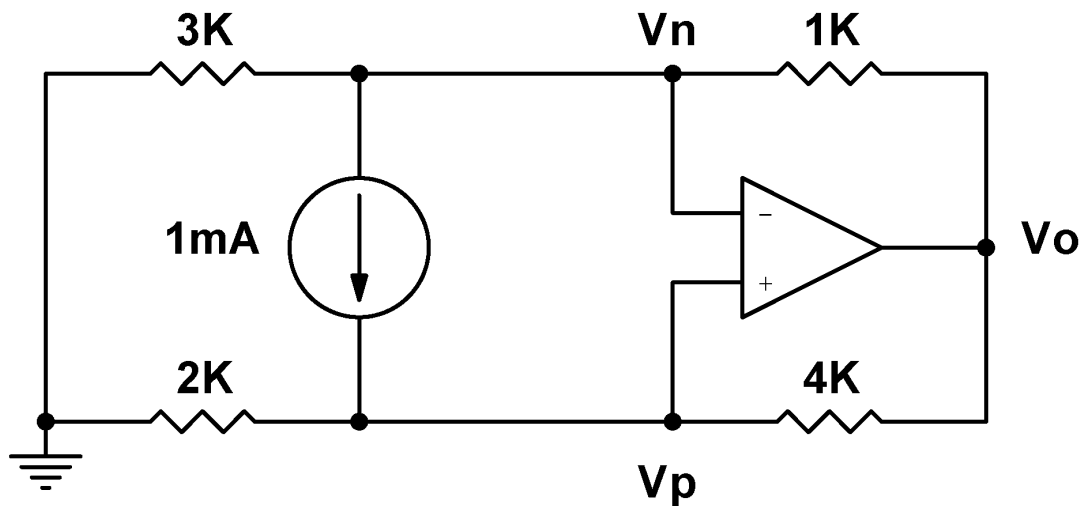
Professor Dunham  
Due: 5 March 2020

Review Lecture Notes.

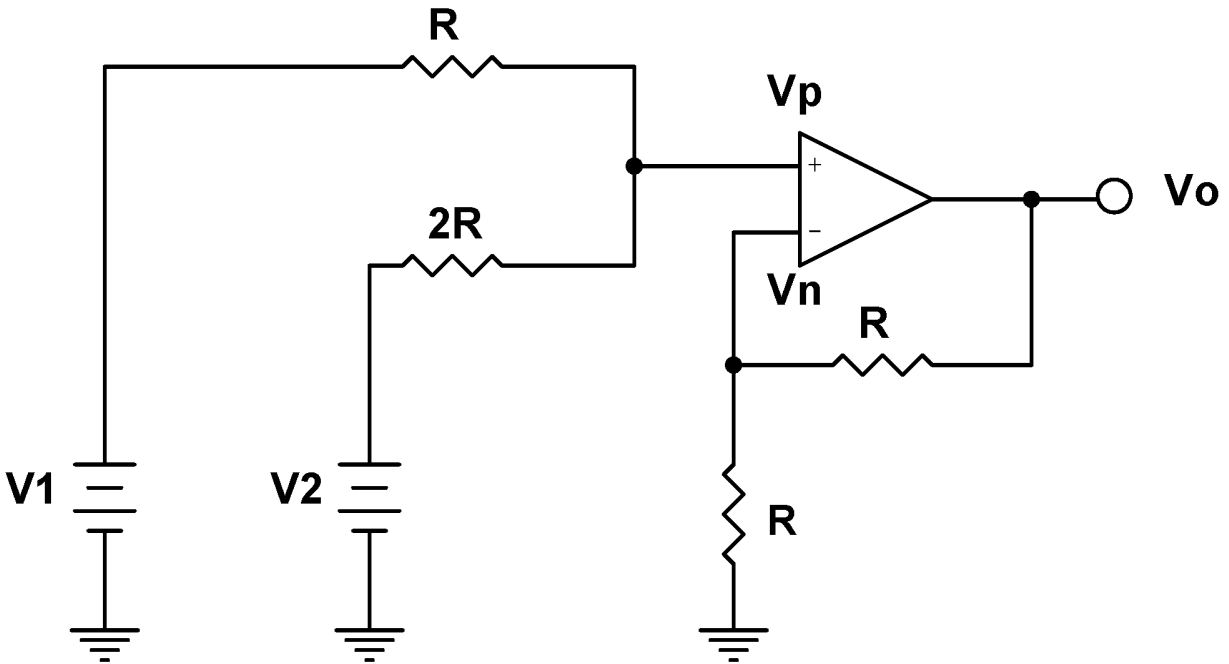
1. Find  $v_n$ ,  $v_p$  and  $v_o$  in the circuit below assuming an ideal op-amp.



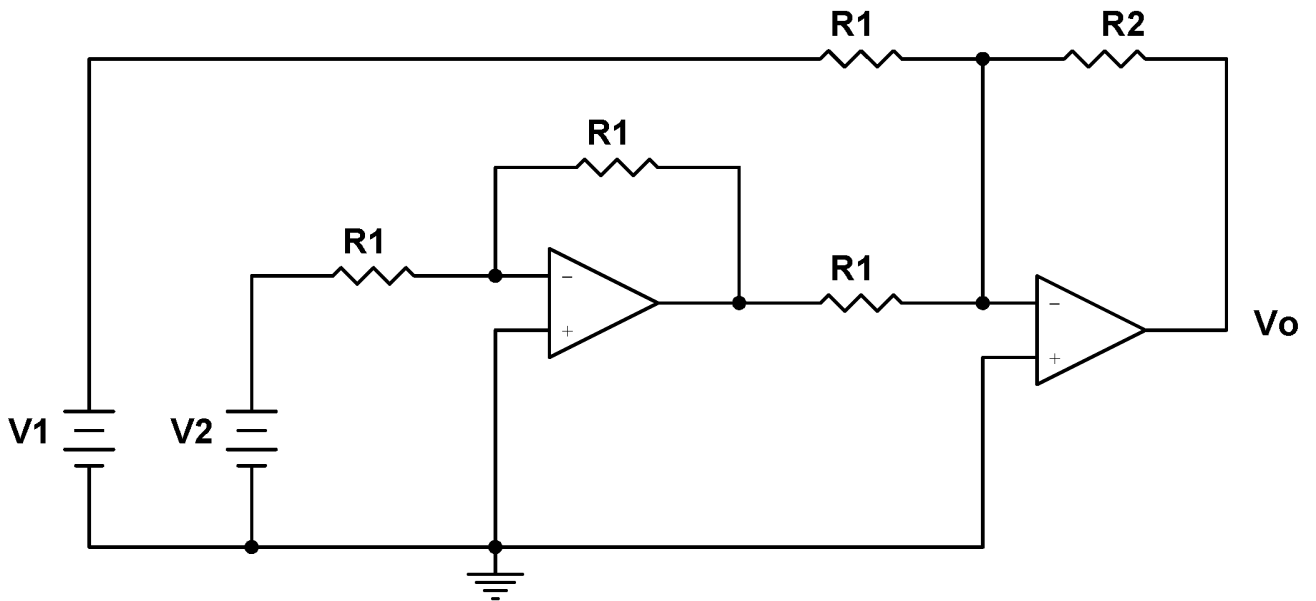
2. Find  $v_n$ ,  $v_p$  and  $v_o$  in the circuit below assuming an ideal op-amp.



3. Find the output voltage  $v_o$  in the circuit below assuming an ideal op-amp.



4. Find an expression for the output voltage  $v_o$  in the circuit below assuming an ideal op-amp.  
*Hint: Use superposition and carefully exam the resultant circuit when surpressing a source.*



5. Find an expression for the output voltage  $v_o$  in the circuit below assuming an ideal op-amp.  
*Hint:* Use superposition and carefully exam the resultant circuit when surpressing a source.

