

Spring 2024 – ECE 3020

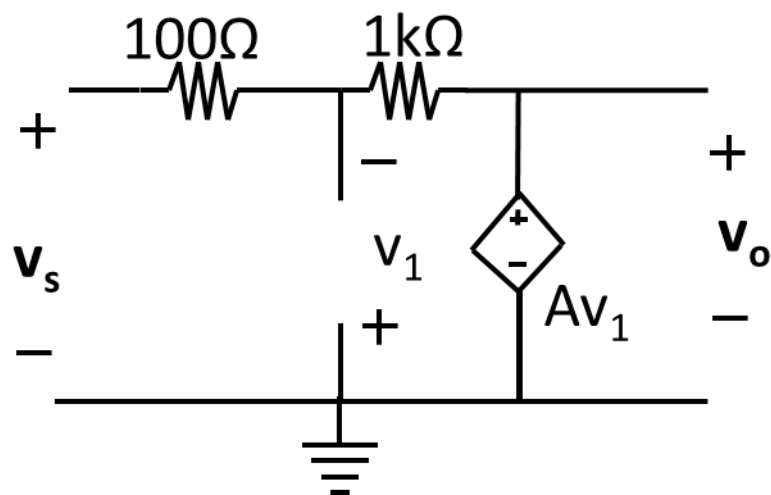
Homework 3

Due: 01/31/2024

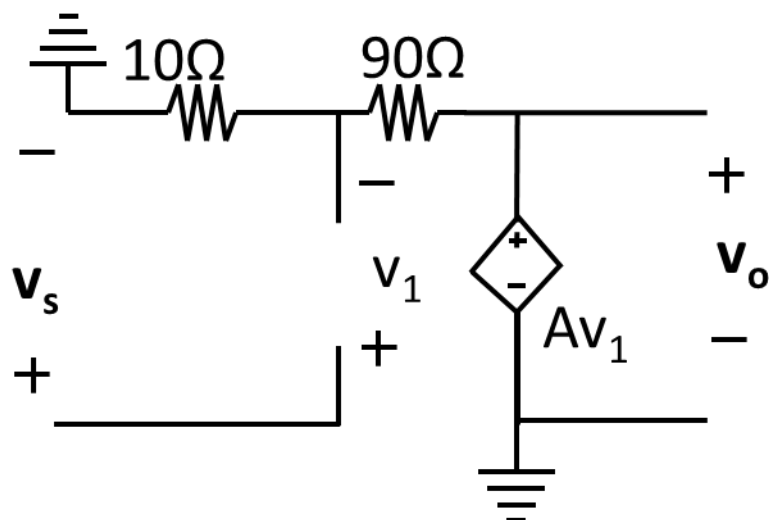
1. For the circuits shown below, if $A=\infty$, Calculate

- The overall input resistance, R_{in}
- The output resistance, R_{out}
- Overall voltage gain (v_o/v_s)

I.



II.



2. Assuming ideal op amps, find the voltage gain v_o/v_i and input resistance R_{in} of each of the circuits in Fig. P2.8.

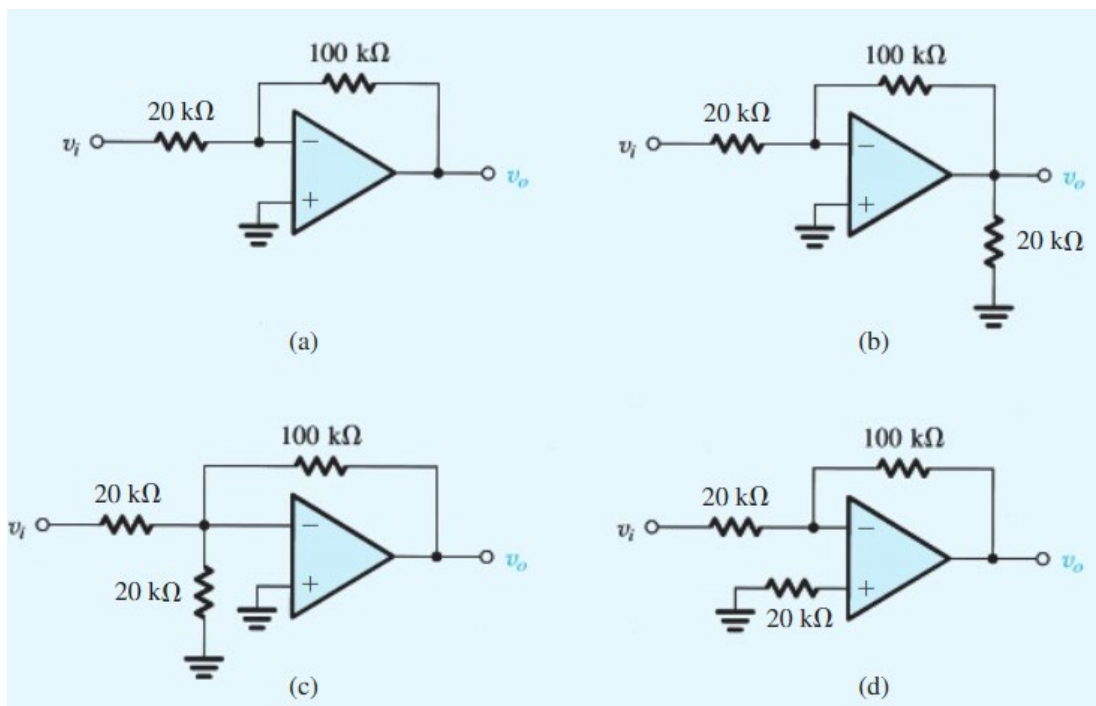


Fig. P2.8.