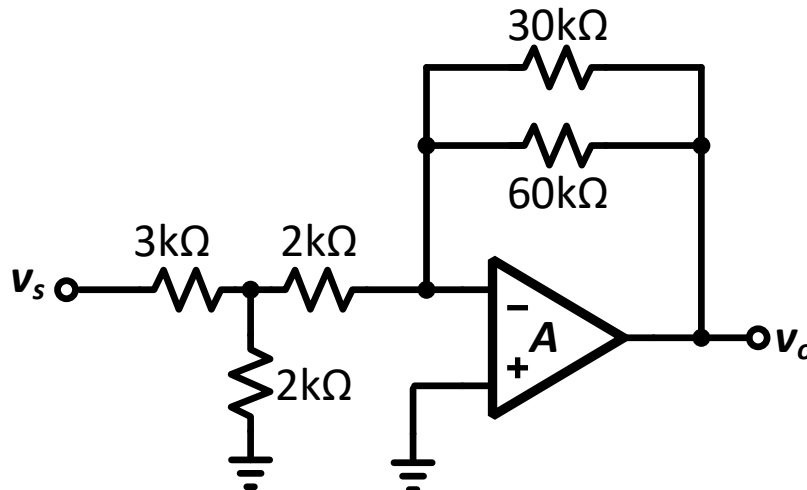


Spring 2024 – ECE 3020

Homework 4

Due: 02/07/2024

1. For the circuits shown below, if $A=\infty$, Calculate
- The overall input resistance, R_{in}
 - The output resistance, R_{out} if the op-amp output resistance is 10Ω
 - Overall voltage gain (v_o/v_s)



2. For the circuits shown below, if $A=\infty$, Calculate
- The overall input resistance, R_{in}
 - The output resistance, R_{out} if the op-amp output resistance is 30Ω
 - Overall voltage gain (v_o/v_s)

