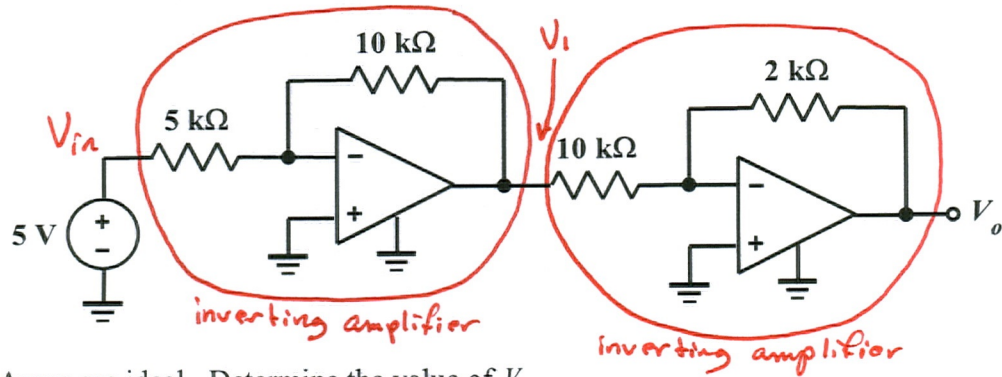


Homework Problem #37



The OpAmps are ideal. Determine the value of V_o .

$$V_o = -\frac{2\text{k}\Omega}{10\text{k}\Omega} V_i$$

$$V_i = -\frac{10\text{k}\Omega}{5\text{k}\Omega} V_{in}$$

$$V_{in} = 5\text{V}$$

$$\begin{aligned} \therefore V_o &= \left(-\frac{2}{10}\right) \left(-\frac{10}{5}\right) (5\text{V}) \\ &= 2\text{V} \end{aligned}$$