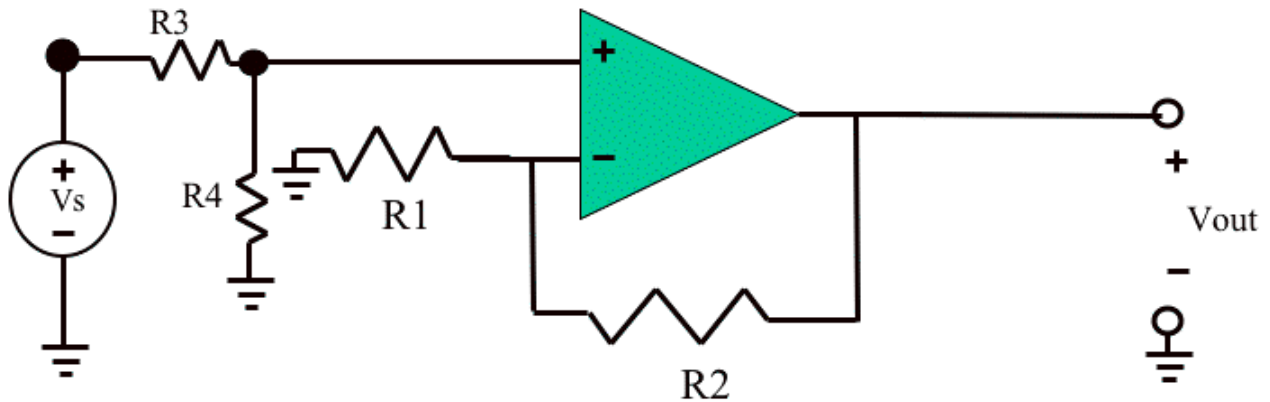


## Problem Wk.10.3.7: Op Amp (Optional)



Express all answers as decimal numbers correct to three places.

1. Suppose  $V_s = 3V$ ,  $R_1 = 30K$  ohms,  $R_2 = 10K$  ohms,  $R_3 = 10K$  ohms and  $R_4 = 10K$  ohms, what is  $V_{out}$ ?  Volts
2. Suppose  $R_1 = 30K$  ohms,  $R_2 = 10K$  ohms, and  $R_3 = 10K$ . For what value of  $R_4$  will  $V_{out} = V_s$ ?  K ohms

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