

**Homework Problem #002**

For the circuit shown below, determine a relationship of the form

$$V_{out} = K_1V_1 + K_2V_2 + K_A V_A + K_B V_B$$

i.e., find  $K_1$ ,  $K_2$ ,  $K_A$ , and  $K_B$  in terms of the resistor values in the circuit. Assume the op amp is ideal.

