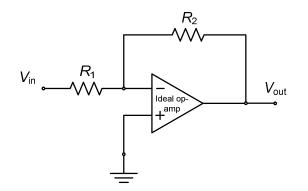
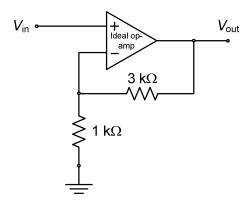
EE271 Quiz 8 Spring 2012 Name_____

You are allowed to use your lab manual and lab notebook during the quiz.

(1) (30 points) If you have only one op amp and four 1 k Ω resistors available, how would you construct an inverting amplifier circuit (as shown) such that $V_{\text{out}} = -4V_{\text{in}}$? Draw the circuit and provide your justification.



(2) (30 points) For the op amp circuit shown, write V_{out} in terms of V_{in} .



(3) (40 points) In the op amp circuit shown, find V_{out1} and V_{out2} in terms of V_{in} .

