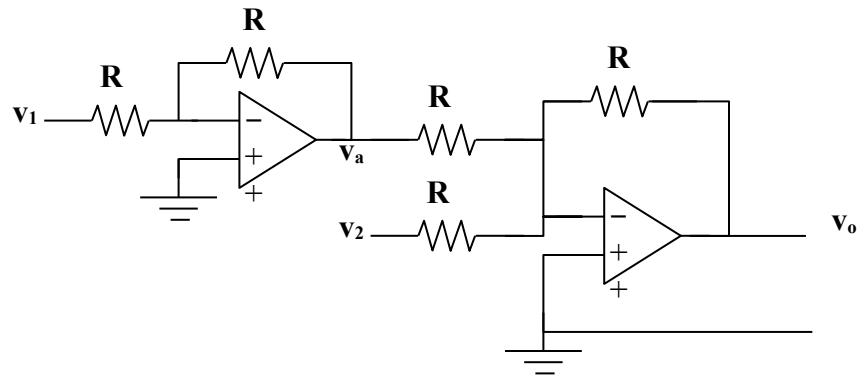## Chapter 5, Solution 51.

We achieve this by cascading an inverting amplifier and two-input inverting summer as shown below:

Verify:

$$v_o = -v_a - v_2$$

But $\quad v_a = -v_1.$ Hence

$$v_o = v_1 - v_2.$$