

### Chapter 5, Solution 73.

Determine the load voltage  $v_L$  in the circuit of Fig. 5.99.

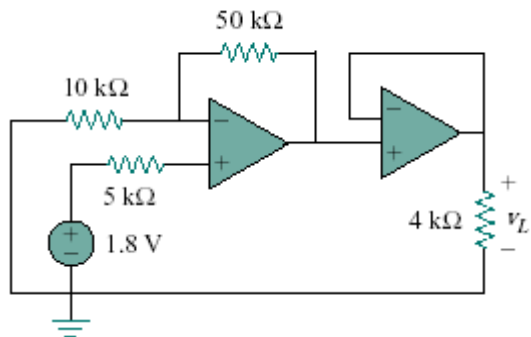


Figure 5.99  
For Prob. 5.73.

### Solution

The first stage is a noninverting amplifier. The output is

$$v_{o1} = \frac{50}{10}(1.8) + 1.8 = 10.8V$$

The second stage is another noninverting amplifier whose output is

$$v_L = v_{o1} = \mathbf{10.8V}$$