Chapter 5, Solution 25.

Calculate v_o in the op amp circuit of Fig. 5.63.
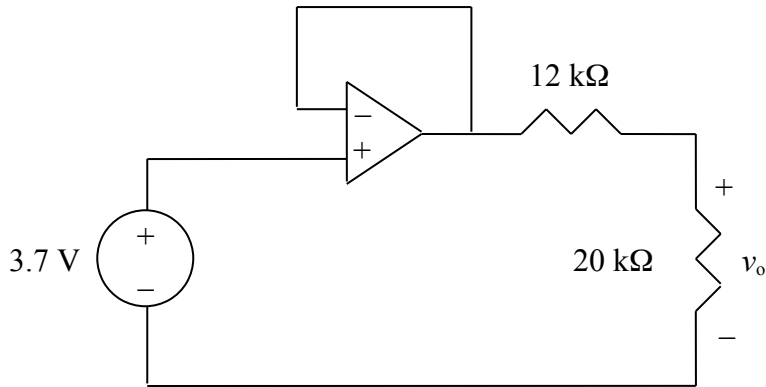

Figure 5.63
For Prob. 5.25.

Solution

This is a voltage follower. If v_1 is the output of the op amp,

$v_1 = 3.7$ V

$v_o = [20k/(20k+12k)]v_1 = [20/32]3.7 = $ **2.312 V**.