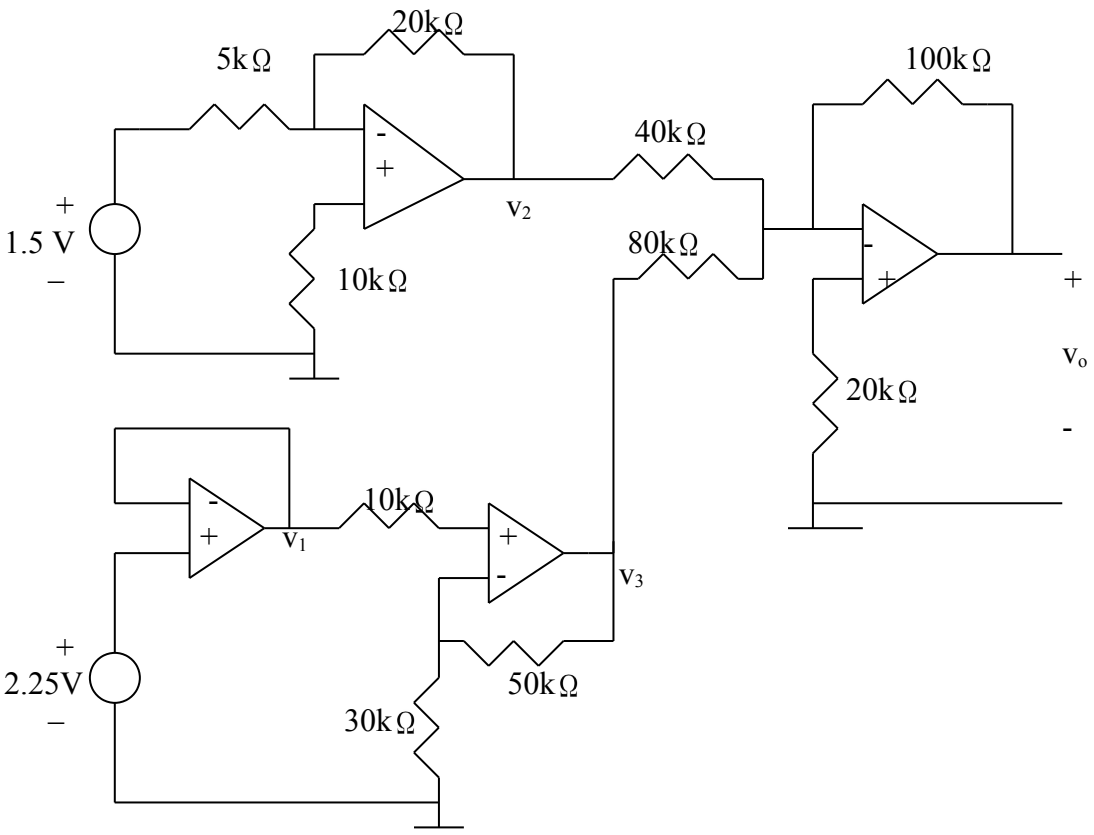
Chapter 5, Solution 71



$$v_1 = 2.25, \qquad v_2 = -\frac{20}{5}(1.5) = -6, \qquad v_3 = (1 + \frac{50}{30})v_1 = 6$$

$$v_o = -\left(\frac{100}{40}v_2 + \frac{100}{80}v_3\right) = -(-15 + 7.5) = \mathbf{7.5\ V}.$$