Chapter 5, Solution 49.

$$R_1 = R_3 = 20k\Omega,\ R_2/(R_1) = 4$$

i.e. $R_2 = 4R_1 = 80k\Omega = R_4$

Verify: $$v_o = \frac{R_2}{R_1}\frac{1 + R_1/R_2}{1 + R_3/R_4}v_2 - \frac{R_2}{R_1}v_1$$

$$= 4\frac{(1 + 0.25)}{1 + 0.25}v_2 - 4v_1 = 4(v_2 - v_1)$$

Thus, $R_1 = R_3 =$ **20 kΩ**, $R_2 = R_4 =$ **80 kΩ**.