

### Chapter 5, Solution 23

At the inverting terminal,  $v=0$  so that KCL gives

$$\frac{v_s - 0}{R_1} = \frac{0}{R_2} + \frac{0 - v_o}{R_f} \quad \longrightarrow \quad \frac{v_o}{v_s} = -\frac{R_f}{R_1}$$