

Chapter 5, Solution 10.

Since no current enters the op amp, the voltage at the input of the op amp is v_s . Hence

$$v_s = v_o \left(\frac{10}{10+10} \right) = \frac{v_o}{2} \quad \longrightarrow \quad \frac{v_o}{v_s} = \mathbf{2}$$