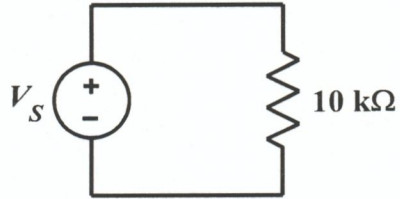


EE 2240  
Problem #03

If the  $10\text{k}\Omega$  resistor absorbs  $2.5\text{ mW}$ , find  $V_s$ .



$$\frac{V_s^2}{10\text{ k}\Omega} = 2.5\text{ mW}$$

$$\Rightarrow V_s = \sqrt{(10\text{ k}\Omega)(2.5\text{ mW})}$$
$$= 5\text{ V}$$