

P #8b

Ch 18 - pg 578

b) $R_{eq} = 5.1 \Omega$

$P = 4.00 \text{ W}$

$P = I \cdot V$ and $I = \frac{V}{R}$

$P = \left(\frac{V}{R}\right) \cdot V$

$P = \frac{V^2}{R}$

$(4 \text{ W}) = \frac{V^2}{5.1 \Omega}$

$V = 4.5 \text{ V}$