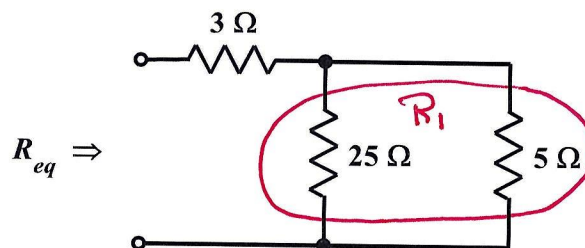


## Homework Problem #005



Determine the value of  $R_{eq}$ .

$$R_1 = \frac{(25\ \Omega)(5\ \Omega)}{25\ \Omega + 5\ \Omega} = \frac{125}{30}\ \Omega = \frac{25}{6} = 4\frac{1}{6}\ \Omega$$

$$R_{eq} = 3\ \Omega + R_1 = 7\frac{1}{6}\ \Omega$$