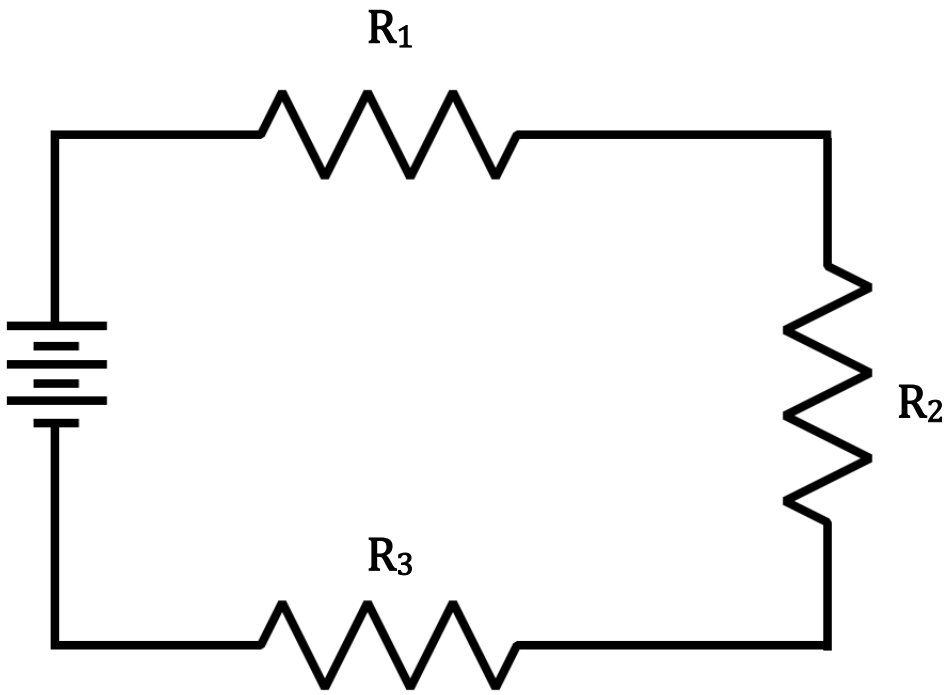
Series Circuit Math - Example 6

Series Example 6



$P_T = 903.94$ Watts

$E_1 = 60.8$ volts

$E_2 = 25.08$ Volts

$E_3 = 152$ Volts

$I_T =$ _____

$R_T =$ _____

$R_2 =$ _____

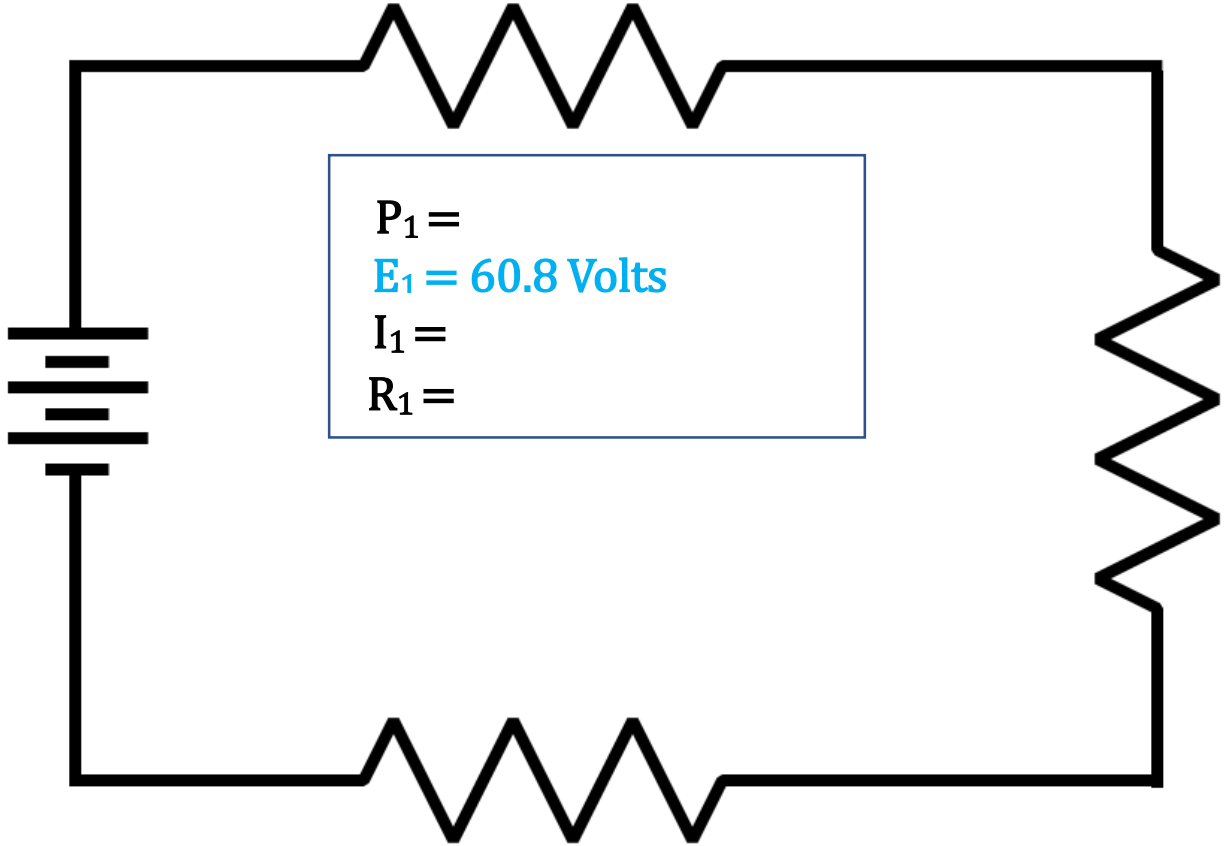
$P_2 =$ _____

$I_3 =$ _____

$R_1 =$ _____

$R_3 =$ _____

$P_3 =$ _____



$P_T = 903.94$ Watts
$E_T =$
$I_T =$
$R_T =$

$P_1 =$
$E_1 = 60.8$ Volts
$I_1 =$
$R_1 =$

$P_2 =$
$E_2 = 25.08$ Volts
$I_2 =$
$R_2 =$

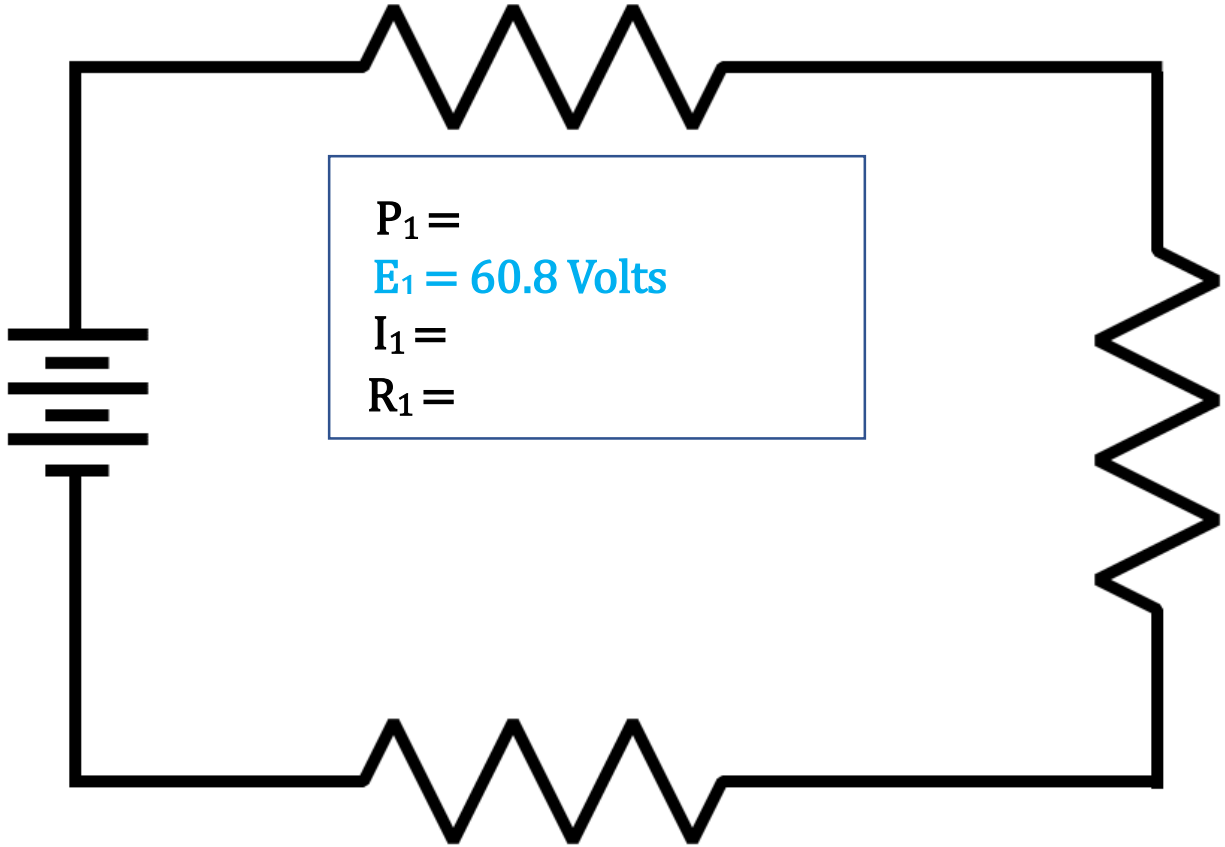
$P_3 =$
$E_3 = 152$ Volts
$I_3 =$
$R_3 =$

$P_T = 903.94$ Watts

$E_1 = 60.8$ volts

$E_2 = 25.08$ Volts

$E_3 = 152$ Volts



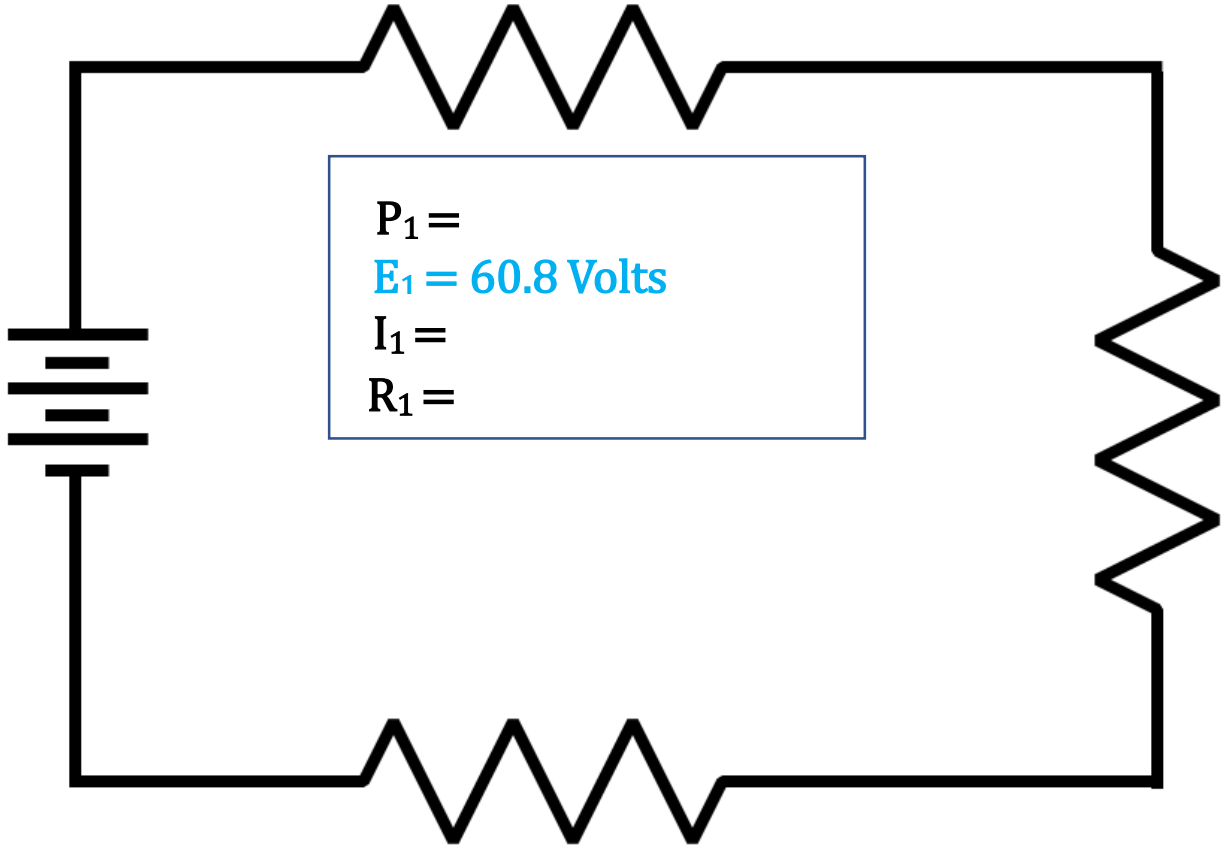
$P_T =$ 903.94 Watts
$E_T =$ 237.88 Volts
$I_T =$
$R_T =$

$P_1 =$
$E_1 =$ 60.8 Volts
$I_1 =$
$R_1 =$

$P_2 =$
$E_2 =$ 25.08 Volts
$I_2 =$
$R_2 =$

$P_3 =$
$E_3 =$ 152 Volts
$I_3 =$
$R_3 =$

$P_T =$ 903.94 Watts
$E_1 =$ 60.8 volts
$E_2 =$ 25.08 Volts
$E_3 =$ 152 Volts



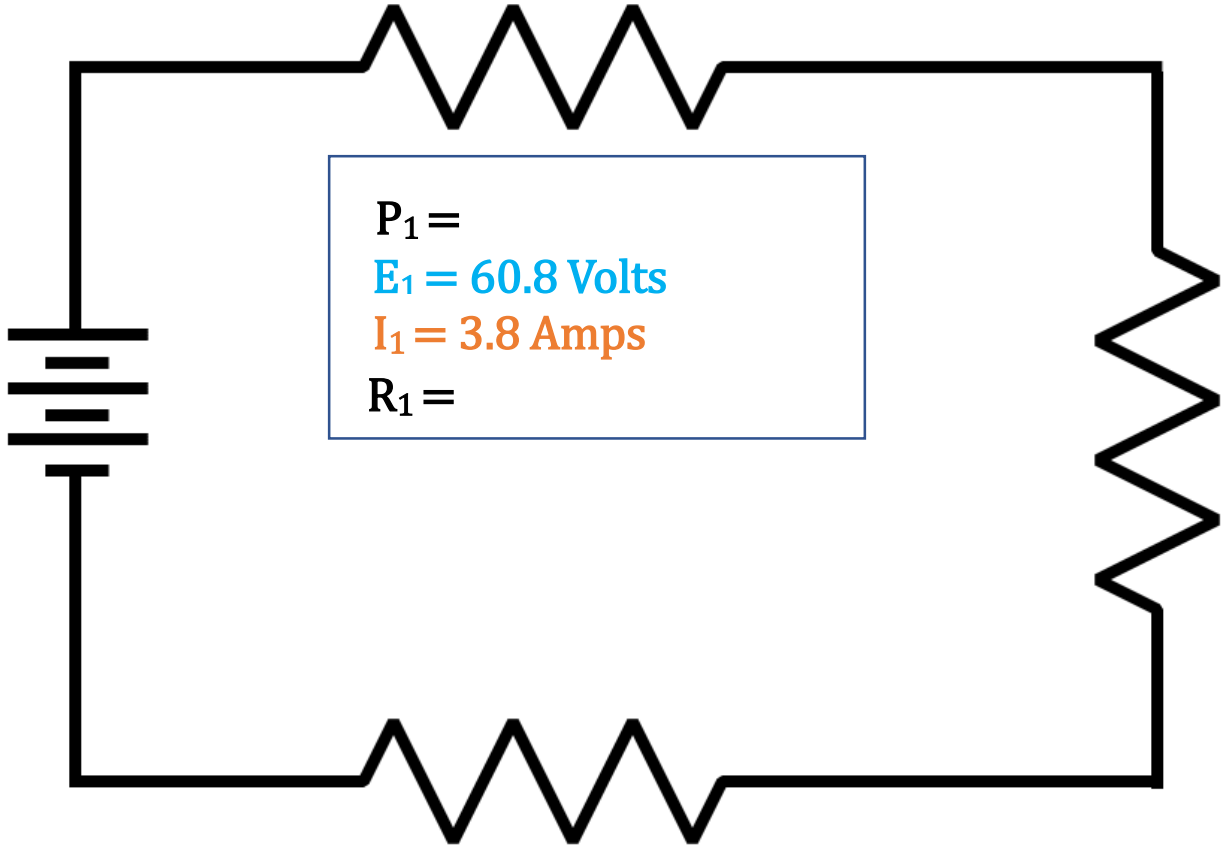
$P_T =$ 903.94 Watts
$E_T =$ 237.88 Volts
$I_T =$ 3.8 Amps
$R_T =$ 62.6 Ohms

$P_1 =$
$E_1 =$ 60.8 Volts
$I_1 =$
$R_1 =$

$P_2 =$
$E_2 =$ 25.08 Volts
$I_2 =$
$R_2 =$

$P_3 =$
$E_3 =$ 152 Volts
$I_3 =$
$R_3 =$

$P_T =$ 903.94 Watts
$E_1 =$ 60.8 volts
$E_2 =$ 25.08 Volts
$E_3 =$ 152 Volts



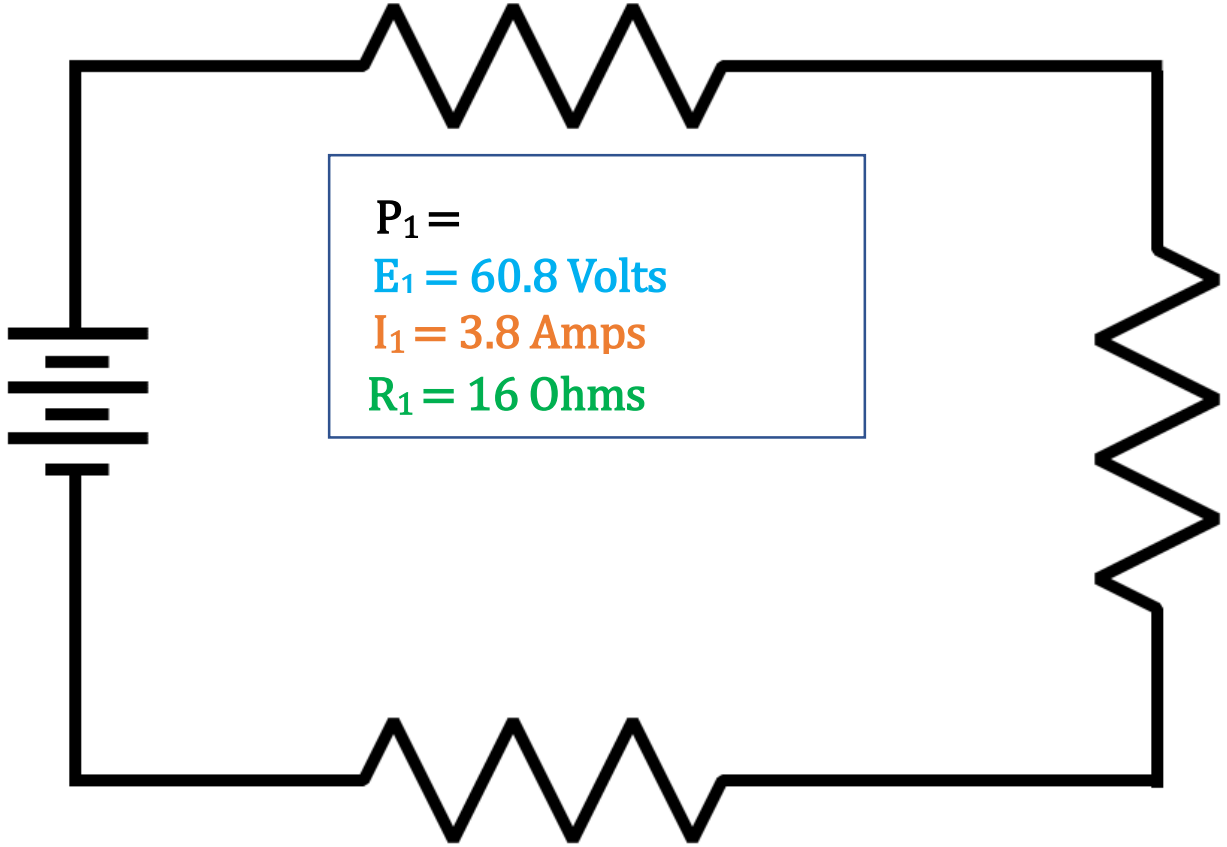
$P_T = 903.94$ Watts
$E_T = 237.88$ Volts
$I_T = 3.8$ Amps
$R_T = 62.6$ Ohms

$P_1 =$
$E_1 = 60.8$ Volts
$I_1 = 3.8$ Amps
$R_1 =$

$P_2 =$
$E_2 = 25.08$ Volts
$I_2 = 3.8$ Amps
$R_2 =$

$P_3 =$
$E_3 = 152$ Volts
$I_3 = 3.8$ Amps
$R_3 =$

$P_T = 903.94$ Watts
$E_1 = 60.8$ volts
$E_2 = 25.08$ Volts
$E_3 = 152$ Volts



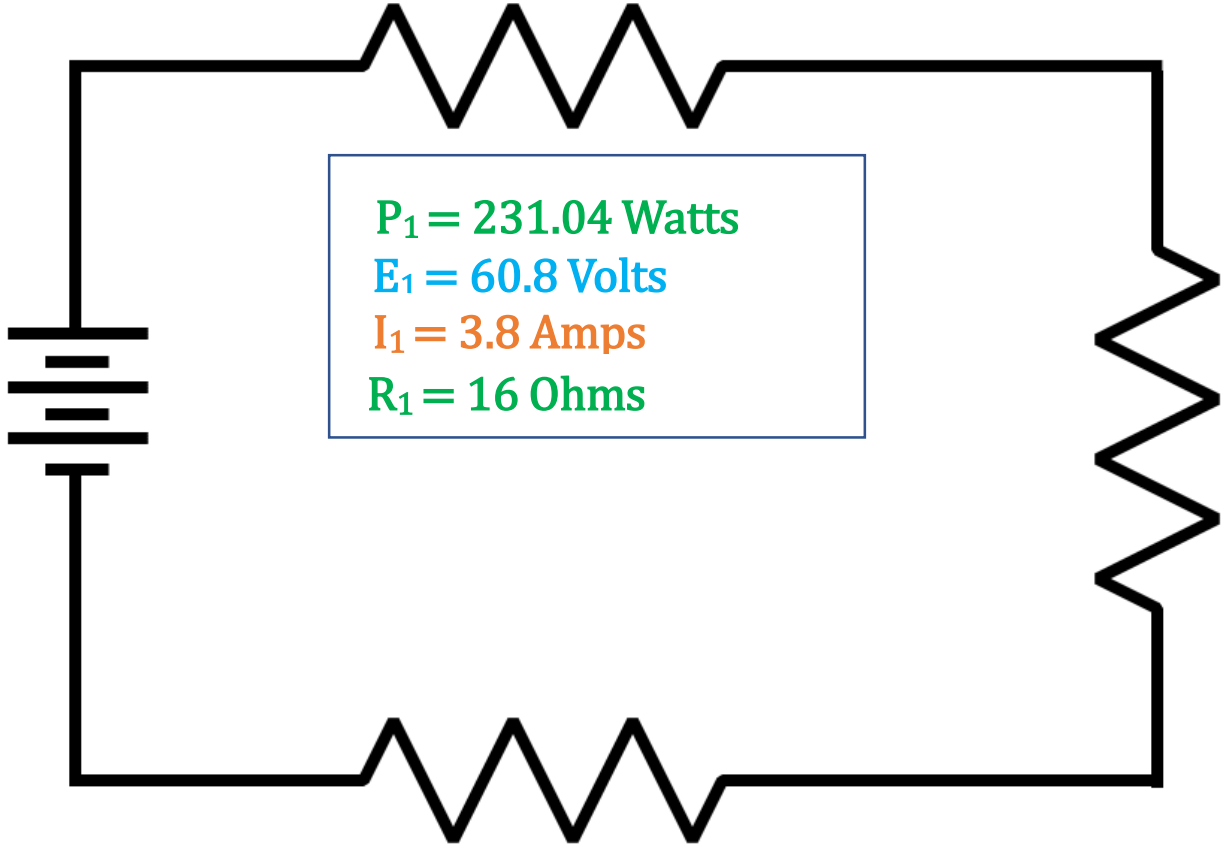
$P_T = 903.94$ Watts
$E_T = 237.88$ Volts
$I_T = 3.8$ Amps
$R_T = 62.6$ Ohms

$P_1 =$
$E_1 = 60.8$ Volts
$I_1 = 3.8$ Amps
$R_1 = 16$ Ohms

$P_2 =$
$E_2 = 25.08$ Volts
$I_2 = 3.8$ Amps
$R_2 = 6.6$ Ohms

$P_3 =$
$E_3 = 152$ Volts
$I_3 = 3.8$ Amps
$R_3 = 40$ Ohms

$P_T = 903.94$ Watts
$E_1 = 60.8$ volts
$E_2 = 25.08$ Volts
$E_3 = 152$ Volts



$P_T = 903.94$ Watts
$E_T = 237.88$ Volts
$I_T = 3.8$ Amps
$R_T = 62.6$ Ohms

$P_1 = 231.04$ Watts
$E_1 = 60.8$ Volts
$I_1 = 3.8$ Amps
$R_1 = 16$ Ohms

$P_2 = 95.3$ Watts
$E_2 = 25.08$ Volts
$I_2 = 3.8$ Amps
$R_2 = 6.6$ Ohms

$P_3 = 577.6$ Watts
$E_3 = 152$ Volts
$I_3 = 3.8$ Amps
$R_3 = 40$ Ohms

$P_T = 903.94$ Watts

$E_1 = 60.8$ volts

$E_2 = 25.08$ Volts

$E_3 = 152$ Volts