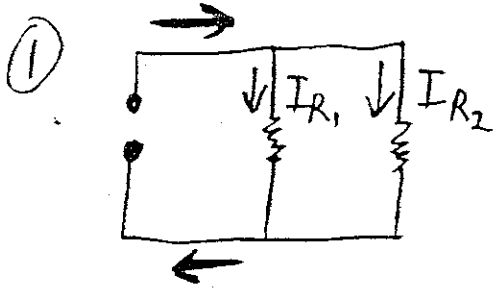


Worksheet on V, I, R in Series + Parallel

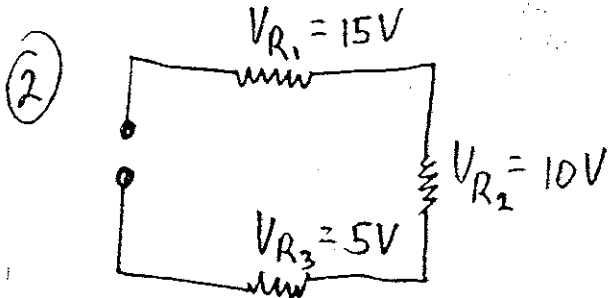
Name: _____

BL: _____



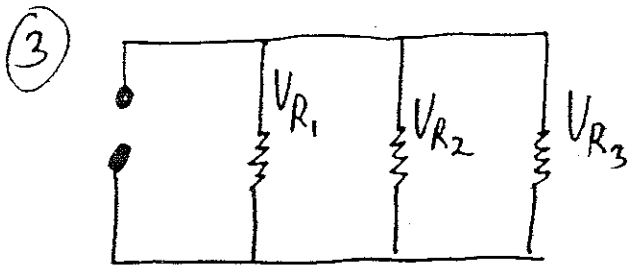
If $I_{R_1} = 2A$ and $I_{R_2} = 2A$, what is the total current?

$I_T =$ _____



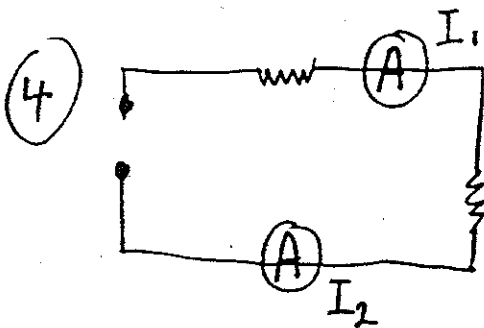
What is the total Voltage?

$V_T =$ _____



If $V_{R_1} = 6V$, what is the total Voltage?

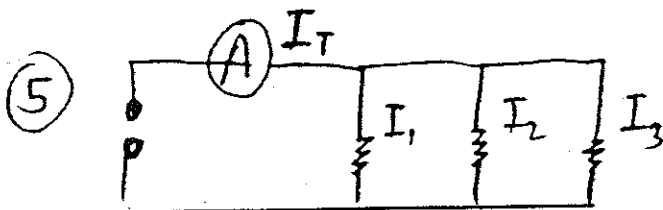
$V_T =$ _____



If the total current = 26A.

What is; $I_1 =$ _____

$I_2 =$ _____

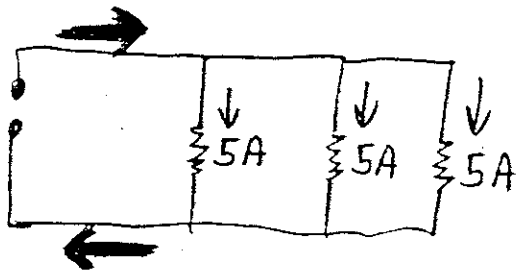


If $I_T = 100A$ and $I_1 = 20A$

and $I_2 = 15A$

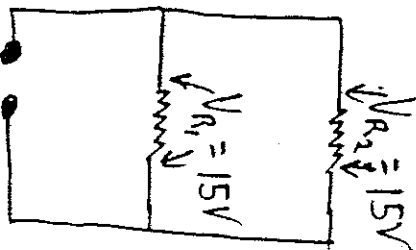
What is $I_3 =$ _____

⑥ What is the I_T supplied by the power supply?

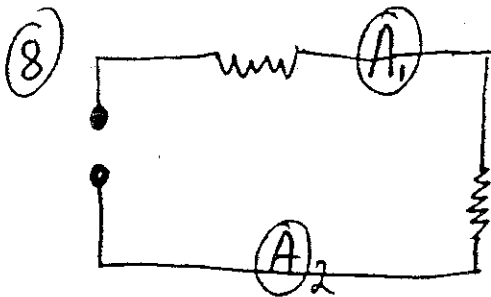


$I_T =$ _____

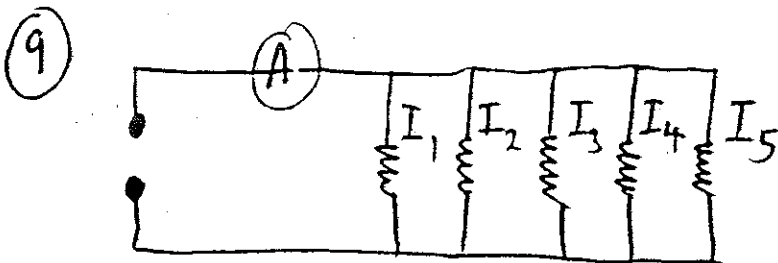
⑦ What is the total Voltage?



$V_T =$ _____



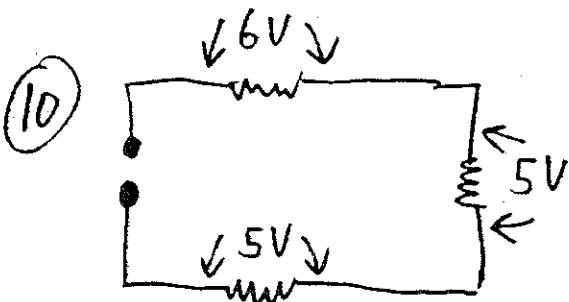
If Ammeter₁ reads 250 mA. What does Ammeter₂ read?



The Ammeter reads 100 mA. What is I_5 ?

What must you assume about the values of each resistor?

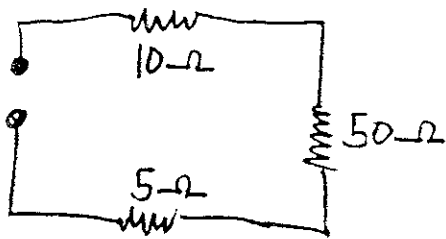
< _____



What is the total Voltage?

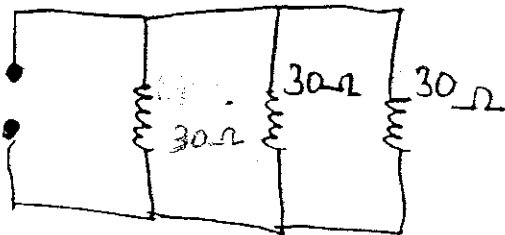
$V_T =$ _____

11) What is the total resistance?



$R_T = \underline{\hspace{2cm}}$

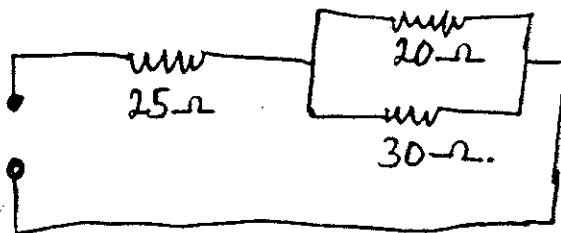
12) Calculate the total resistance.



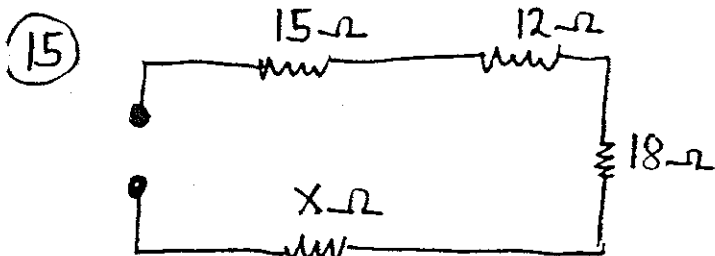
$R_T = \underline{\hspace{2cm}}$

13) What is the total resistance of a six-ohm resistor connected in parallel with a six ohm resistor?

14) Calculate the total resistance



$R_T = \underline{\hspace{2cm}}$



If $R_T = 65\text{-}\Omega$ what is the value of resistor X?

$\underline{\hspace{2cm}}$