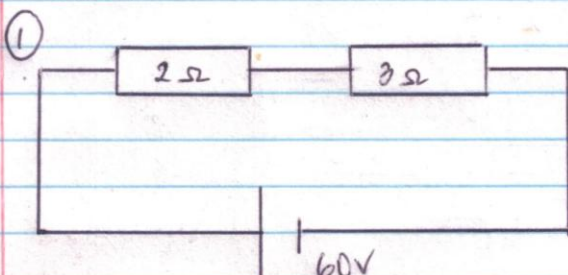


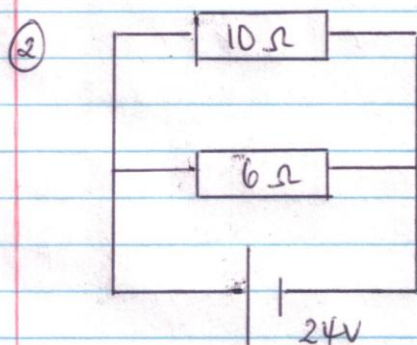


### EXTRA PRACTICE CIRCUIT CALCULATION QUESTIONS.



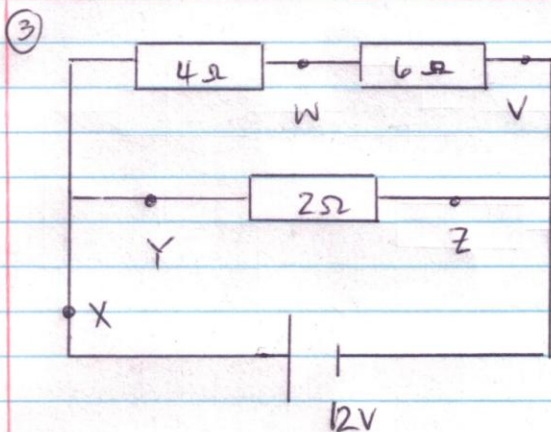
Calculate the

- total resistance
- total current
- current and voltage drop of the  $2\Omega$  resistor
- current and voltage drop of the  $3\Omega$  resistor.
- amount of coulombs passing through the  $3\Omega$  resistor in 3secs.
- power generated by the power supply.
- rate of energy dissipation of the  $2\Omega$  resistor
- rate of energy dissipation of the  $3\Omega$  resistor.



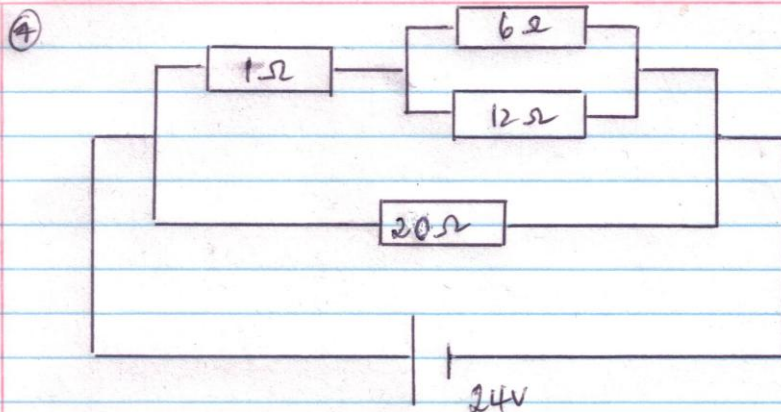
Calculate the :

- total resistance
- total current
- current and voltage drop of the  $6\Omega$  resistor
- current and voltage drop of the  $10\Omega$  resistor
- amount of coulombs hence number of electrons passing through the  $10\Omega$  resistor in 5seconds.
- power generated by the power supply
- rate of energy dissipation of the  $6\Omega$  resistor
- rate of energy dissipation of the  $10\Omega$  resistor



Calculate the:

- total resistance
- total current
- current through each resistor
- voltage drop across each resistor
- potential difference between the following points:
  - X and Y
  - X and Z
  - X and W
  - Y and V
  - W and Z
- power generated by the power supply
- power of each resistor



Calculate the:

- total resistance
- total current
- current through each resistor
- voltage drop across each resistor

⑤ P.S. SORRY FOR THE DELAY.

STUDY HARD GUYS!! ☺