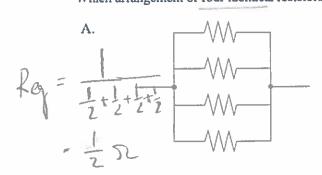
PHYSICS 11



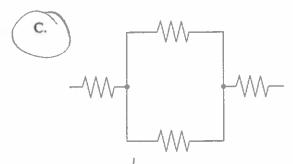
ELECTRIC CIRCUITS 2

1.
Which arrangement of four identical resistors has the highest equivalent resistance?

let R=252



B. 2 cg = 1 + 1 / 4 + 1 / 4 = 1 / 2 = 2 52



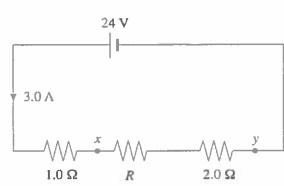
 $2 + \frac{1}{\frac{3}{4}}$

A student is instructed to determine the amount of charge flowing past a point in a circuit of unknown resistance during an experiment. What equipment will permit the student to do this?

- A. voltmeter
- B. ammeter, voltmeter
- (C.) ammeter, stopwatch
- D. voltmeter, stopwatch

ammeka

A series circuit consists of a battery and three resistors arranged as shown in the diagram below.



$$R = 8.0 - 1.0 - 2.0$$

$$V_{xy} = (R_{x+y})(I_{Tor})$$

= (7.0)(3.0)
= 2|V

What is the potential difference V_{xy} ?

4.

What is the battery's terminal voltage in the circuit below?

