

**Question 17 (2 marks)**

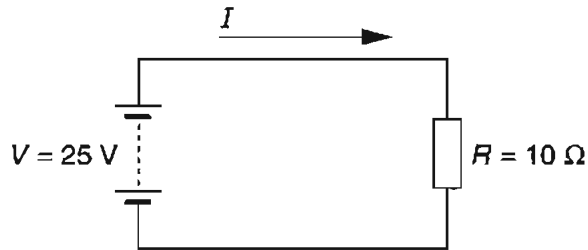
(a) Write an equation for Ohm's Law.

1

$$P = \frac{V}{R} \quad \frac{24}{12} = 2 \text{ ohms}$$

(b) Calculate the current in the electrical circuit shown.

1



$$P = \frac{V}{R}$$

$$\frac{25}{10} = 2.5 \text{ V}$$