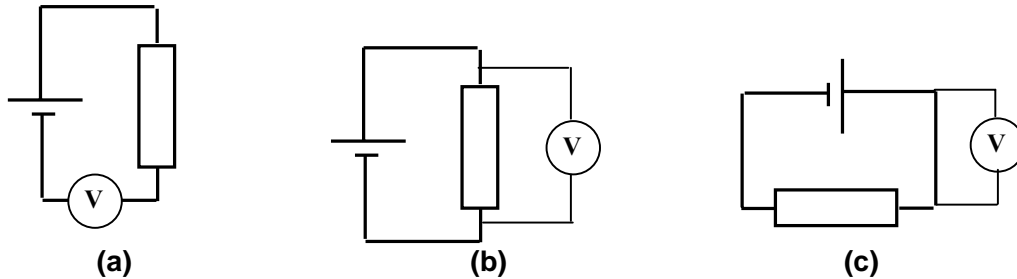


Name: _____ Teacher: _____

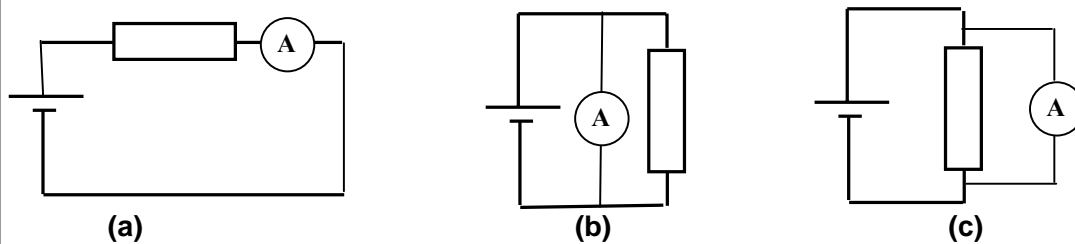
(1) A circuit is formed by connecting a resistor across a battery. If we want to measure the voltage across the resistor, which of the following diagrams shows the correct way of connecting a voltmeter to the circuit?



How confident are you of your answer?

- 1: Not at all confident
- 2: Not confident
- 3: Somewhat confident
- 4: Confident
- 5: Very confident

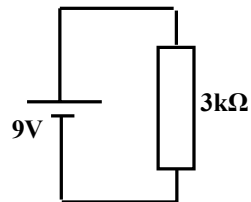
(2) A circuit is formed by connecting a resistor across a battery. If we want to measure the current flowing through the resistor, which of the following diagrams shows the correct way of connecting an ammeter to the circuit?



How confident are you of your answer?

- 1: Not at all confident
- 2: Not confident
- 3: Somewhat confident
- 4: Confident
- 5: Very confident

(3) A circuit is formed by connecting a $3\text{k}\Omega$ resistor (i.e. a 3000Ω resistor) across a 9V battery, as shown in the figure. How much current is flowing through the resistor?



- (a) 3mA (i.e. 0.003A) (b) 3A (c) 27kA (i.e. 27000A)

How confident are you of your answer?

- 1: Not at all confident
- 2: Not confident
- 3: Somewhat confident
- 4: Confident
- 5: Very confident