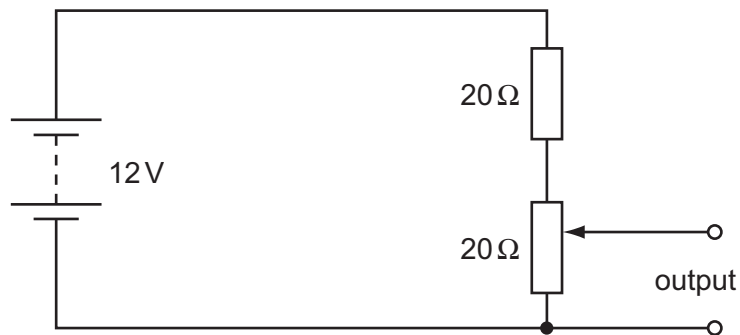


- 34** The diagram shows a potentiometer and a fixed resistor connected across a 12 V battery of negligible internal resistance.



The fixed resistor and the potentiometer each have resistance  $20\ \Omega$ . The circuit is designed to provide a variable output voltage.

What is the range of output voltages?

- A** 0–6 V      **B** 0–12 V      **C** 6–12 V      **D** 12–20 V