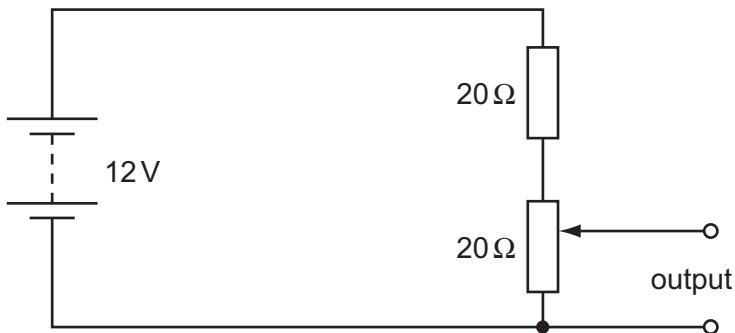


- 34 The diagram shows a potentiometer and a fixed resistor connected across a 12 V battery of negligible internal resistance.



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 0–6V      B 0–12V      C 6–12V      D 12–20V