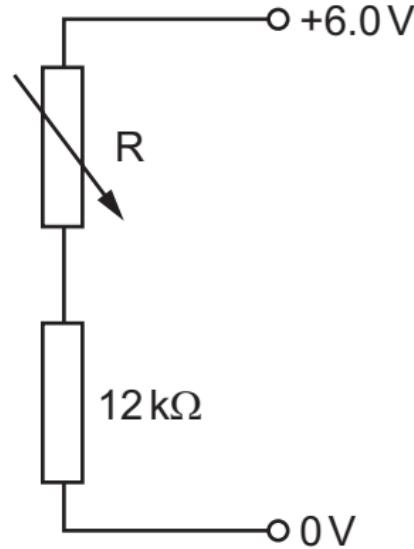


38 Two resistors are connected in series with a 6.0 V power supply, as shown.



What is the resistance of the variable resistor R to give a potential difference of 1.0 V across the 12 kΩ resistor?

A $2.0\text{ k}\Omega$

B $10\text{ k}\Omega$

C $60\text{ k}\Omega$

D $72\text{ k}\Omega$