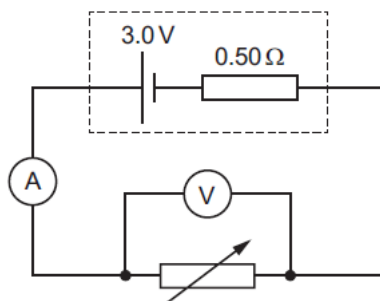


- 19 A cell of electromotive force (e.m.f.)  $3.0\text{ V}$  and internal resistance  $0.50\ \Omega$  is connected to a variable resistor, a voltmeter and an ammeter, as shown. The resistance of the variable resistor is varied.



The reading on the ammeter  $I$  and the reading on the voltmeter  $V$  are recorded.

Which graph shows how  $V$  varies with  $I$ ?

