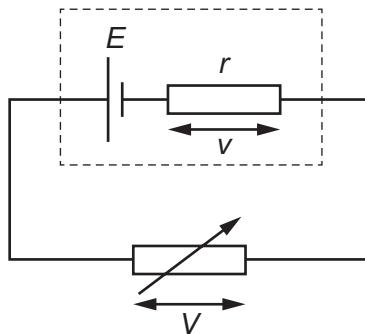


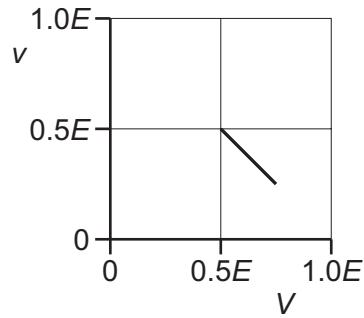
- 34** A cell of electromotive force (e.m.f.) E and internal resistance r is connected to a variable resistor, as shown.



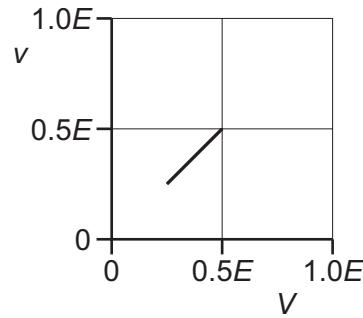
The resistance of the variable resistor is gradually increased from r to $3r$.

Which graph shows the variation of the potential difference (p.d.) v across the internal resistance with the p.d. V across the variable resistor?

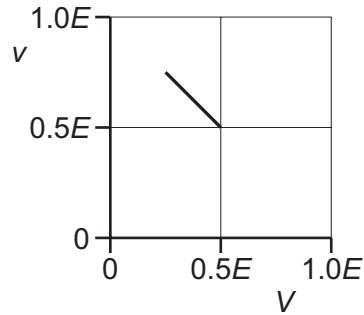
A



B



C



D

