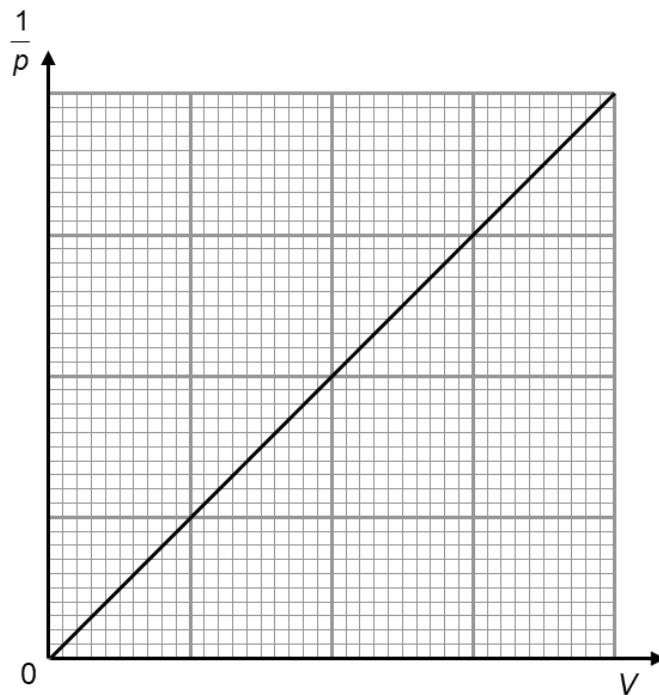


**12** A fixed amount of an ideal gas has pressure  $p$  and volume  $V$ .

The graph shows the variation of  $\frac{1}{p}$  with  $V$  at a constant temperature.



The amount of gas and the thermodynamic temperature are then both decreased by half.

Which line shows the variation of  $\frac{1}{p}$  with  $V$ ?

