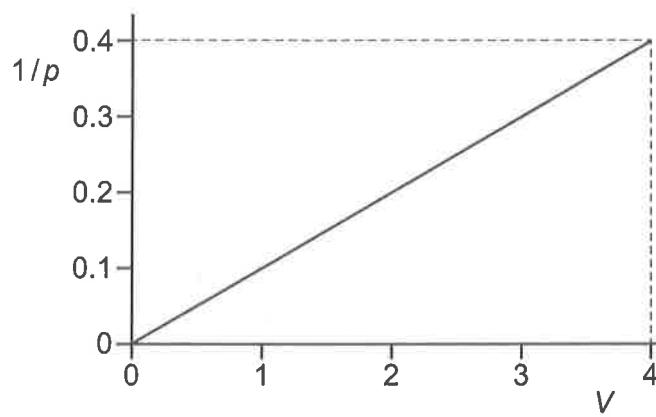


12 A fixed amount of an ideal gas has pressure  $p$  and volume  $V$ .

The graph shows the variation of  $1/p$  with  $V$  at a constant temperature.



The amount of gas and the thermodynamic temperature are then both doubled.

Which line will be produced?

