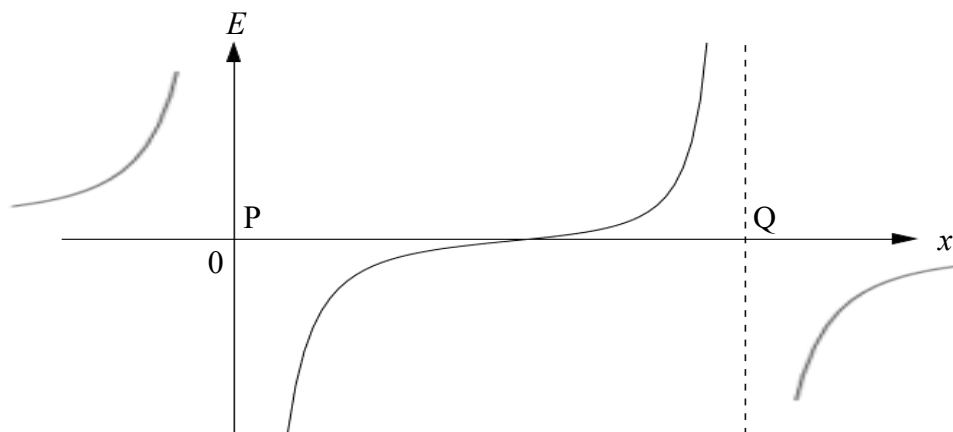
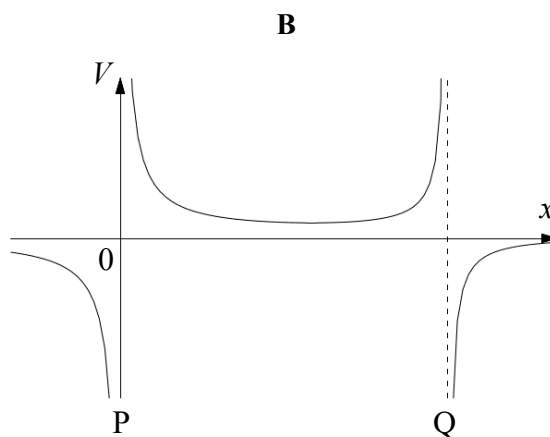
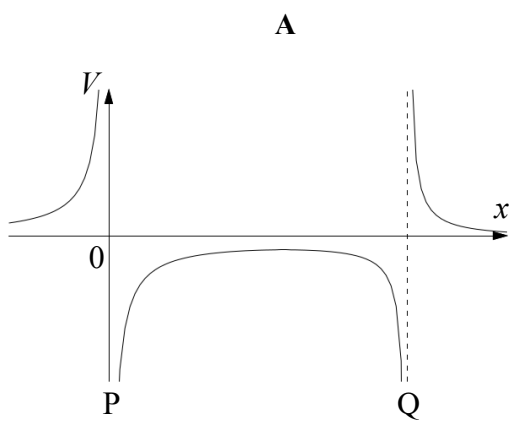


- 19** Two negative electric charges are located a distance apart at points P and Q. The graph below shows the variation with distance  $x$  of the electric field at all points along the line that joins the two charges. The distance  $x$  is measured from the centre of the first charge at P in the direction toward Q. For the sign convention, take the rightward direction as the positive direction.



Which of the following graphs correctly shows the variation of the electric potential  $V$  with distance  $x$  ?



**C**

**D**

