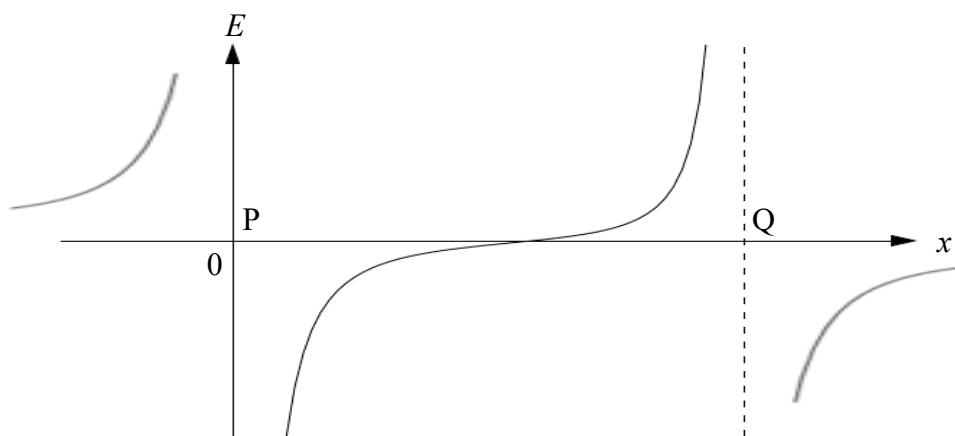
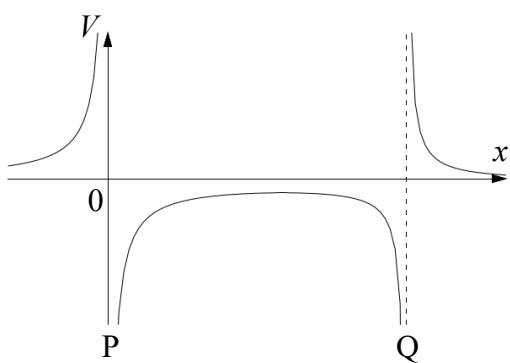


- 19 Two negative electric charges are located a distance apart at points P and Q. The graph below shows the variation with distance x of the electric field at all points along the line that joins the two charges. The distance x is measured from the centre of the first charge at P in the direction toward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

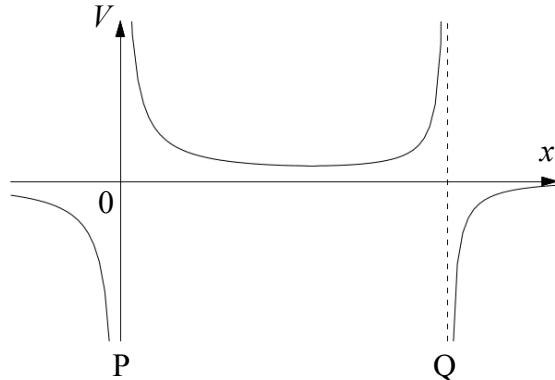


Which of the following graphs correctly shows the variation of the electric potential V with distance x ?

A



B



C

D

