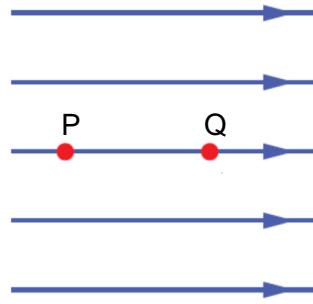
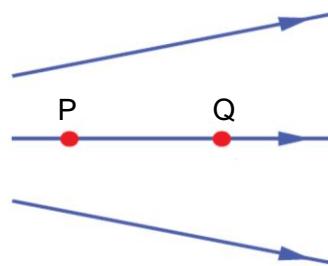


- 20 The figure below shows two arrangements of electric field lines drawn to the same scale.



arrangement 1

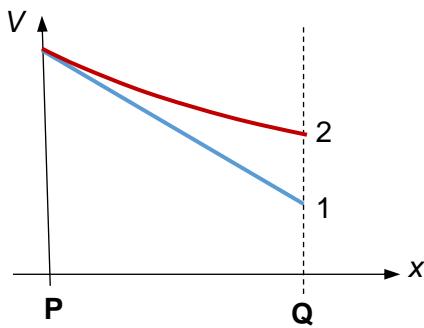


arrangement 2

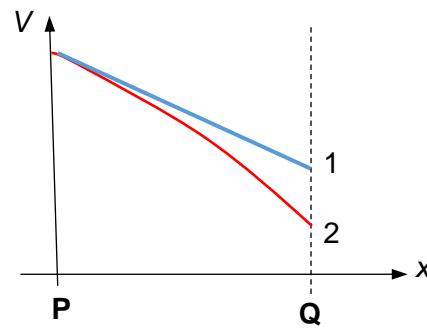
P and Q are points in the electric fields and have equal separations in both arrangements. The electric field strength and the potential at P is the same in both arrangements as well.

Which of the following graph shows the possible variation with distance  $x$  along the line PQ of the potential  $V$ ?

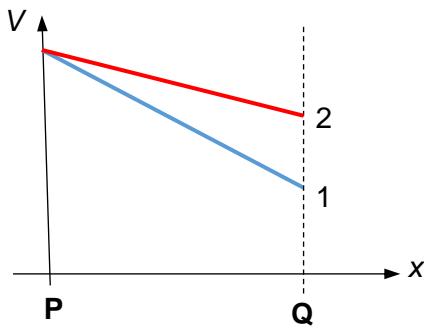
A



B



C



D

