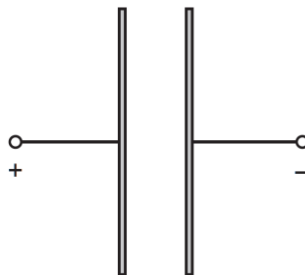
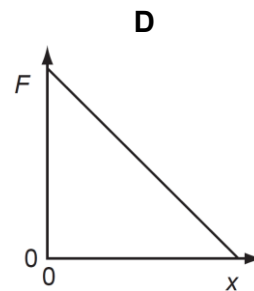
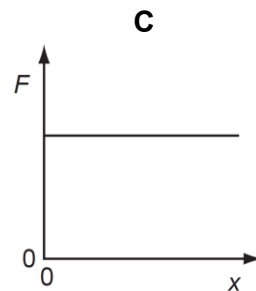
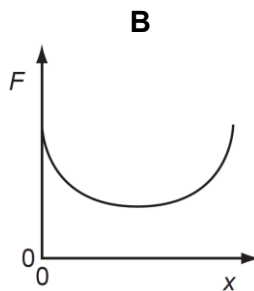
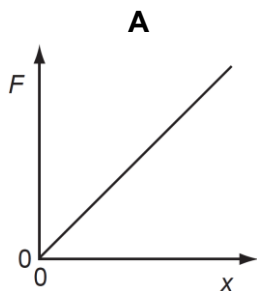


**19** Two oppositely-charged parallel plates are arranged as shown.



An  $\alpha$ -particle is released from rest from the surface of the positively-charged plate.

Which graph shows how the force  $F$  on the  $\alpha$ -particle varies with its distance  $x$  from the positive plate?



**[Turn over]**