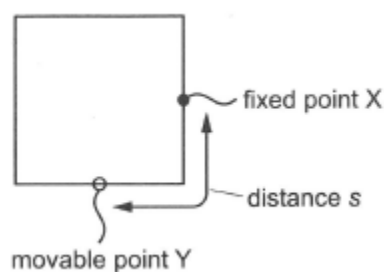


- 16** A wire of length  $L$  forms a square loop with electrical contact points at X and at Y. X is at a fixed point and Y may be moved to make contacts at different points along the loop of wire.



The resistance  $R$  between X and Y is measured as contact Y moves all the way round the loop, starting at X.

Which graph shows the variation of  $R$  with the distance  $s$  along the loop of wire?

