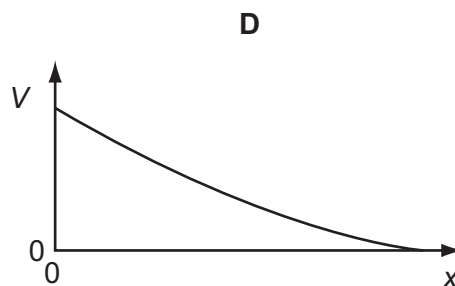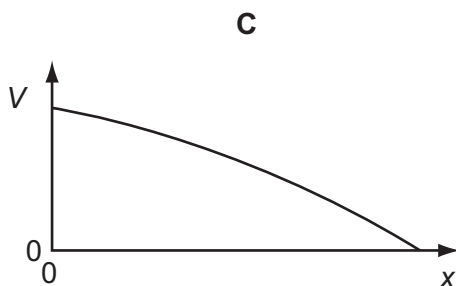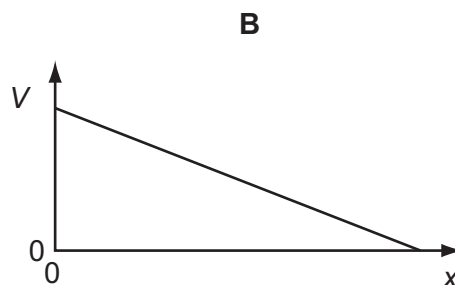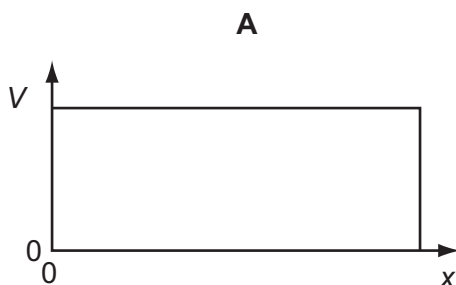32 The circular cross-sectional area of a metal wire varies along its length. There is a current in the wire. The narrow end of the wire is at a reference potential of zero.

Which graph best represents the variation with distance x along the wire of the potential difference V relative to the reference zero?

A

B

C

D

Space for working