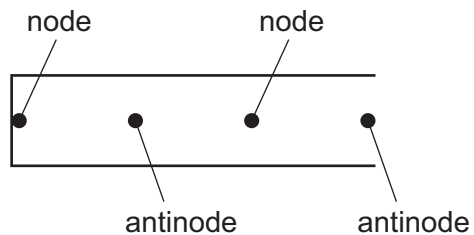


**27** A stationary sound wave is formed in a tube of length  $L$  that is closed at one end.

The diagram shows the positions of the nodes and antinodes of the stationary wave.



Which graph shows the variation of the amplitude  $a$  of the wave with distance  $x$  measured from the closed end of the tube?

