

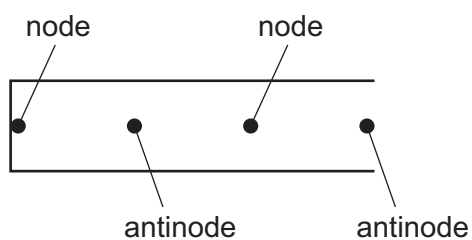
- 26** Two waves of the same type overlap.

When does the principle of superposition apply?

- A** always
- B** only when the waves have the same amplitude
- C** only when the waves have the same frequency
- D** only when the waves travel in opposite directions

- 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?

