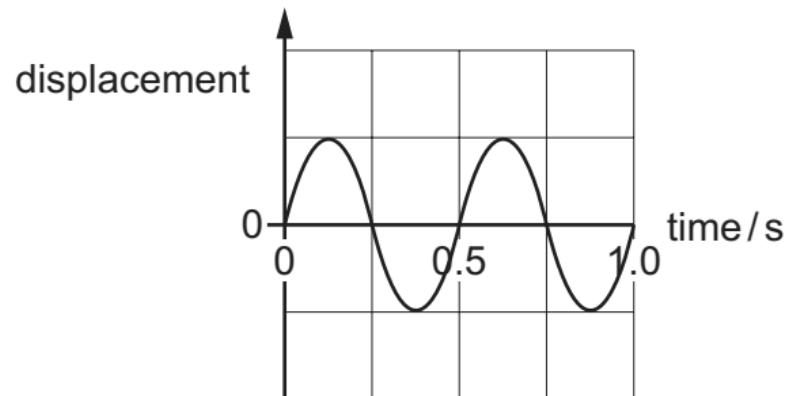
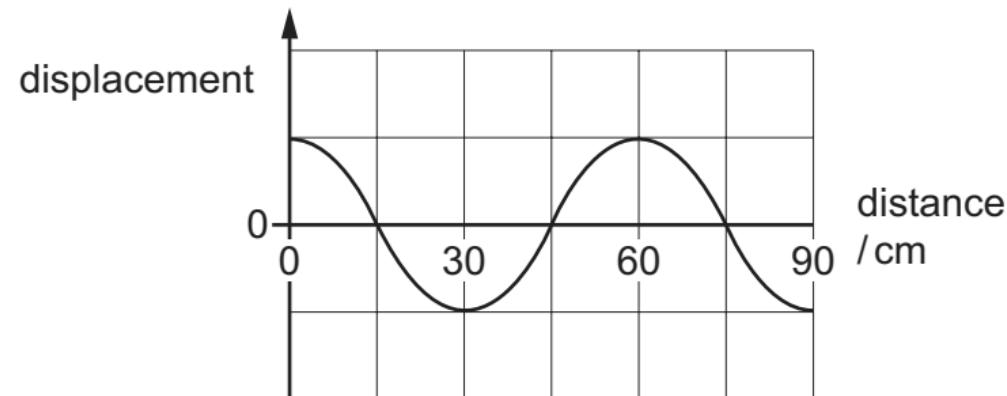


21 The two graphs represent the same wave.

Graph 1 shows the variation with time of the displacement at a particular distance. Graph 2 shows the variation with distance of the displacement at one instant.



graph 1



graph 2

What is the speed of the wave?

- A** 22.5 cm s^{-1}
- B** 30.0 cm s^{-1}
- C** 90.0 cm s^{-1}
- D** 120 cm s^{-1}

22 A microphone is connected to a cathode-ray oscilloscope (CRO). When a tuning fork is struck