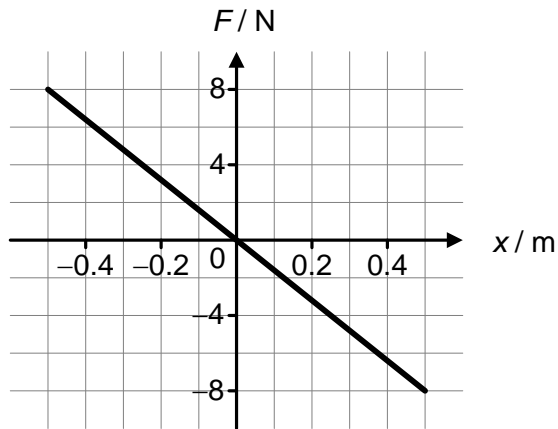**16** A mass of 2.0 kg is executing simple harmonic motion. The net force F acting on the mass varies with displacement x as shown. What is the maximum speed of the mass?

A 1.0 m s^{-1} **B** 1.3 m s^{-1} **C** 1.4 m s^{-1} **D** 2.0 m s^{-1}