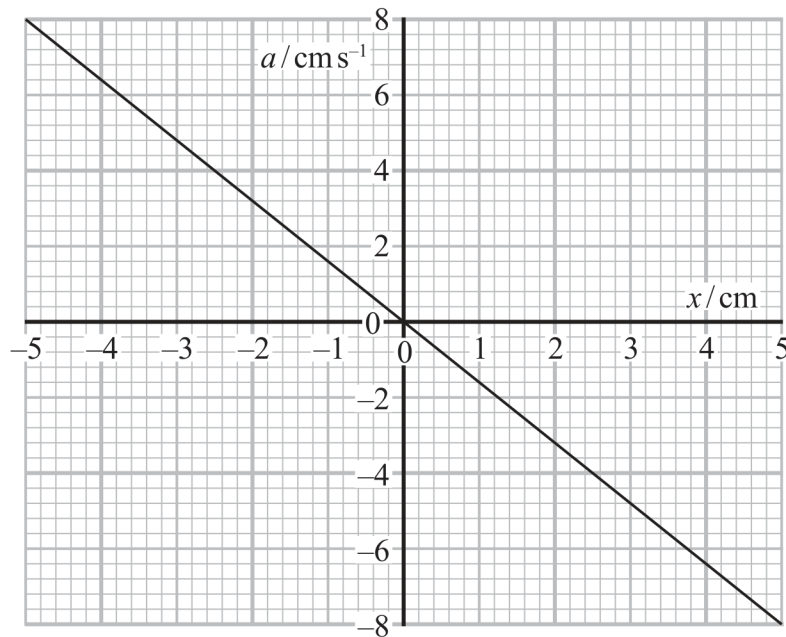


SECTION B

Answer ALL questions in the spaces provided.

- 11 A mass is hung from a spring and set into vertical oscillation by displacing the mass 5 cm from its equilibrium position.

The graph shows how the acceleration a of the mass depends upon the displacement x of the mass from its equilibrium position.



Sketch a graph on the axes below to show how x depends upon time t .



(Total for Question 11 = 4 marks)