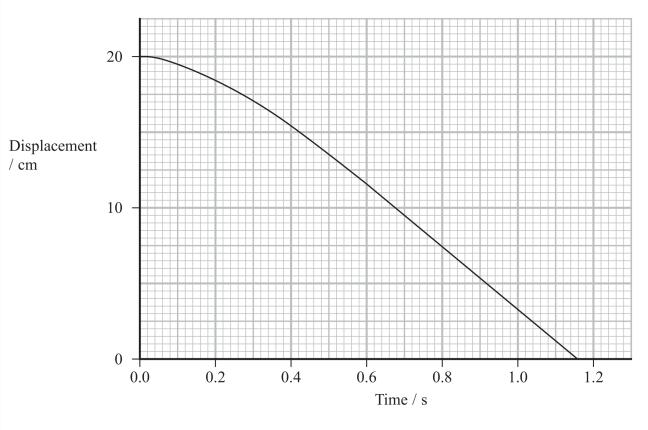
- **18** A student carried out an experiment using a data logger to record the motion of a ball-bearing as it fell through a liquid.
  - (a) State the conditions under which Stokes' law applies to an object moving through a fluid.

**(2)** 

(b) The graph obtained by the student is shown below.



(i) Explain the shape of the graph.

(3)

22





(Total for Question 18 = 13 marks)