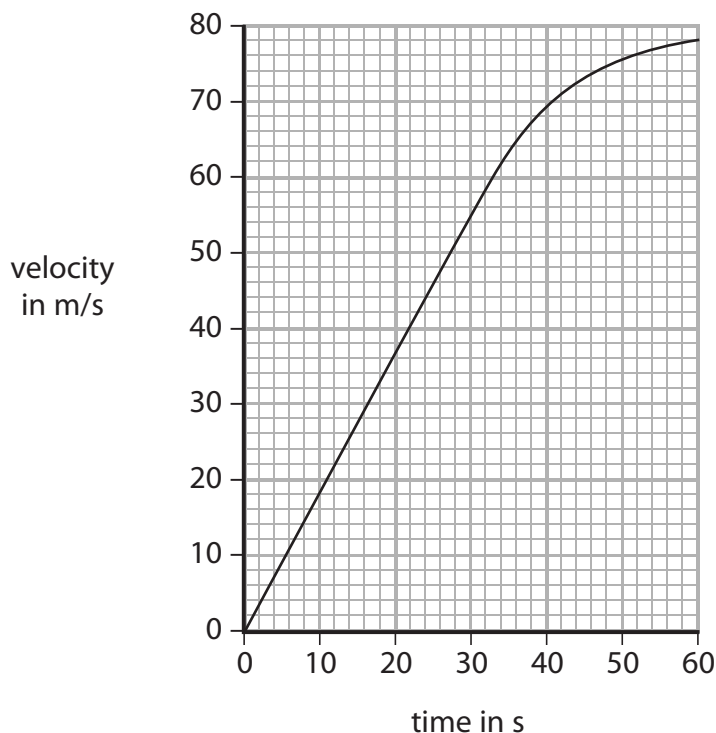


11 The graph shows how the velocity of an aircraft changes as it accelerates along a runway.



(a) Use the graph to find the average acceleration of the aircraft.

(3)

Acceleration = m/s^2

(b) Explain why the acceleration is not constant, even though the engines produce a constant force.

(3)

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(Total for Question 11 = 6 marks)

