

Subject - Math AI (Standard Level)
Topic - Function
Year - May 2021 - Nov 2022
Paper -2
Answers

Question 1

- (a) (i) $p(10)^2 + q(10) = 60$
 $10p + q = 6$ ($100p + 10q = 60$)
- (ii) $p = 1, q = -4$

M1

A1

A1A1

Note: If p and q are both incorrect then award **M1A0** for an attempt to solve simultaneous equations.

- (b) $(2, -4)$

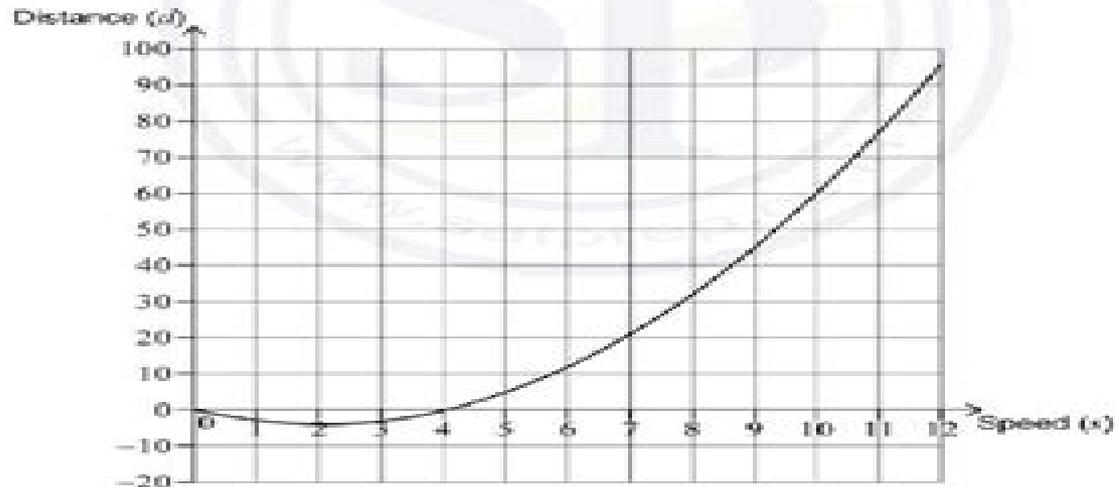
A1A1

[4 marks]

Note: Award **A1** for each correct coordinate.
Award **A0A1** if parentheses are missing.

[2 marks]

- (c)



A3

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