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1. The discrete random variable X has the following probability distribution

x	–2	–1	1	3	4
$P(X = x)$	0.15	a	b	c	0.15

where a, b and c are probabilities.

The mean value of X is 1 and $F(1) = 0.63$

Find the value of a, the value of b and the value of c.

(5)

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Question 1 continued

Q1

(Total 5 marks)