3   The probability that Janice will buy an item online in any week is 0.35. Janice does not buy more than one item online in any week.

   (i) Find the probability that, in a 10-week period, Janice buys at most 7 items online.   [3]

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   (ii) The probability that Janice buys at least one item online in a period of n weeks is greater than 0.99. Find the smallest possible value of n.   [3]

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