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7 The sides of a square are each of length L cm and its area is A cm^2

Given that A is uniformly distributed on the interval [10, 30]

(a) find P($L \geqslant 4.5$)

(2)

(b) find Var(L)

(6)

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Question 7 continued

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Question 7 continued

Q7

(Total 8 marks)

TOTAL FOR PAPER: 75 MARKS

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