4. The cumulative distribution function of the discrete random variable W, which takes only the values 6, 7 and 8, is given by

$$F(W) = \frac{(w + 3)(w - 1)}{77} \quad \text{for } w = 6, 7, 8$$

Find E(W)

(4)

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Question 4 continued

(Total for Question 4 is 4 marks)

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