4: Two events C and D are such that

$$P(C \cup D) = 0.59 \qquad P(D) = 0.45 \qquad P(C \mid D) = 0.2$$

Find the value of

(a) $P(C \cap D)$

(2)

(b) $P(C)$

(2)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

Question 4 continued

(Total for Question 4 is 4 marks)