5 In triangle ABC, $AB = 10\,\text{cm}$, $BC = 7\,\text{cm}$ and angle $BAC = 40°$

(a) Find, in degrees to the nearest 0.1°, the two possible sizes of angle ACB.

(4)

(b) Find, in cm to 3 significant figures, the difference between the two possible lengths of AC.

(4)

Question 5 continued

(Total for Question 5 is 8 marks)